

• Na	me:	
• Da	te:	
Sec	ction:	$09:00 \sim 09:50$

# **BUSI 201 Business Data Analysis**

# Quiz #4: Conditional Formatting Spring 2025

#### **INSTRUCTIONS:**

- Your grade will be based on the correct application of conditional formatting, sparklines, filtering, and sorting.
- Read each prompt carefully before attempting to answer any of the questions.
- Save/rename the workbook to LoginID-quiz4.xlsx. LoginID is your Monmouth College ID.
- Once you are finished, submit your answers as an attachment (files shared using SharePoint will not be graded) via email to BPARK@monmouthcollege.edu.
- Double-check your submission email for your attached file, file name, and recipient's email address, as you will not be permitted to submit or update your solutions past the in-class deadline.

# Problem #1. Conditional Formatting

Navigate to the worksheet Quiz4-Sheet1, and complete the following tasks.

ID	Student	Class	Major	Attendance	Quiz #1	Quiz #2	Quiz #3	Quiz #4	Quiz #5	Quiz #6	Final	Total
10028394	Olivia Bennett	Senior	Accounting	82.78	98.73	73.66	66.36	100	100	87.22	90.53	90.45
10147629	Liam Carter	Freshman	Communication	57.62	69.94	66.96	64.32	68.38	80.48	98.17	81.8	76.88
10283910	Ava Morgan	Junior	Political Science	94.86	84.17	59.48	27.94	89.48	86.66	96.46	100	91.11
10359284	Noah Thompson	Sophomore	Political Science	67.78	74.99	43.98	68.33	100	68.64	83.6	88.11	81.58
10478125	Emma Hayes	Junior	Biology	72.58	100	55.41	70.01	62.09	93.47	86.51	83.84	82.00
10593462	Jackson Lee	Senior	Business	55.85	87.2	45.12	100	100	85.7	100	48.59	72.31
10628473	Sophia Brooks	Senior	English	96.27	100	35.12	80.33	84.57	93.44	79.04	56.57	75.99
10719485	Elijah Parker	Sophomore	Political Science	71.58	83.57	100	55.89	59.52	65.58	80.02	100	86.03
10876230	Isabella Reed	Sophomore	Accounting	75.77	81.25	89.91	86.69	29.83	93.63	79.84	100	90.71
10938475	Aiden Sullivan	Sophomore	Kineseology	66.8	100	100	81.22	100	91.27	95.79	82.06	88.21
11092834	Mia Cooper	Sophomore	Kineseology	62.4	76.04	25.26	81.61	95.99	100	68.74	57.6	71.52
11147285	Lucas Graham	Junior	Communication	46.06	65.03	79.33	64.74	85.89	98.59	81.48	100	85.64
11285930	Charlotte Rivera	Freshman	Kineseology	89.18	59.4	75.21	62.81	100	87.56	93.26	84.69	84.68
11368247	Mason Wallace	Senior	Kineseology	47.92	100	43.86	57.85	61.89	90.64	75.31	85.62	77.61
11493028	Amelia Ford	Junior	English	93.25	85.13	95.13	33.46	95.73	99.18	98.92	82.41	89.70

- 1.A Apply conditional formatting to the data so that the bottom 15 Final scores are shaded red. The exact shade of red does not matter.
- 1.B Apply conditional formatting to the data so that Total scores between 83 and 90 are shaded green. The exact shade of green does not matter.

#### Problem #2. Conditional Formatting

Navigate to the worksheet Quiz4-Sheet2, and complete the following task.

ID	Student	Class	Major	Attendance	Quiz #1	Quiz #2	Quiz #3	Quiz #4	Quiz #5	Quiz #6	Final	Total
10028394	Olivia Bennett	Senior	Accounting	82.78	98.73	73.66	66.36	100	100	87.22	90.53	90.45
10147629	Liam Carter	Freshman	Communication	57.62	69.94	66.96	64.32	68.38	80.48	98.17	81.8	76.88
10283910	Ava Morgan	Junior	Political Science	94.86	84.17	59.48	27.94	89.48	86.66	96.46	100	91.11
10359284	Noah Thompson	Sophomore	Political Science	67.78	74.99	43.98	68.33	100	68.64	83.6	88.11	81.58
10478125	Emma Hayes	Junior	Biology	72.58	100	55.41	70.01	62.09	93.47	86.51	83.84	82.00
10593462	Jackson Lee	Senior	Business	55.85	87.2	45.12	100	100	85.7	100	48.59	72.31
10628473	Sophia Brooks	Senior	English	96.27	100	35.12	80.33	84.57	93.44	79.04	56.57	75.99
10719485	Elijah Parker	Sophomore	Political Science	71.58	83.57	100	55.89	59.52	65.58	80.02	100	86.03
10876230	Isabella Reed	Sophomore	Accounting	75.77	81.25	89.91	86.69	29.83	93.63	79.84	100	90.71
10938475	Aiden Sullivan	Sophomore	Kineseology	66.8	100	100	81.22	100	91.27	95.79	82.06	88.21
11092834	Mia Cooper	Sophomore	Kineseology	62.4	76.04	25.26	81.61	95.99	100	68.74	57.6	71.52
11147285	Lucas Graham	Junior	Communication	46.06	65.03	79.33	64.74	85.89	98.59	81.48	100	85.64
11285930	Charlotte Rivera	Freshman	Kineseology	89.18	59.4	75.21	62.81	100	87.56	93.26	84.69	84.68
11368247	Mason Wallace	Senior	Kineseology	47.92	100	43.86	57.85	61.89	90.64	75.31	85.62	77.61
11493028	Amelia Ford	Junior	English	93.25	85.13	95.13	33.46	95.73	99.18	98.92	82.41	89.70

2.A Apply conditional formatting so that rows containing students with Total scores greater than or equal to 90 are highlighted.

# Problem #3. Sorting and Filtering

Navigate to the worksheet Quiz4-Sheet3, and complete the following task.

Student 🛫	Class 🐷	Major	Attendanc	Quiz #1 🐷	Quiz #2 🐷	Quiz #3 🐷	Quiz #4 🐷	Quiz #5 🐷	Quiz #6 🐷	Final 星	Total 💷
Scarlett Vaughn	Senior	Business	100	69.14	100	78.41	60.34	93.47	71.04	100	91.21
Grace Whitman	Sophomore	Business	42.6	65.26	96.47	66.39	76.71	86.84	85.93	100	85.49
Levi Sharp	Freshman	Business	72.44	62.2	62.31	85.7	67.67	77.58	68.98	100	83.47
Aurora Finch	Junior	Business	74.64	100	60	29.89	100	96.51	87.28	79.02	83.45
Stella Norton	Senior	Business	78.71	80.4	100	39.73	53.79	100	76.95	81.22	81.47
Benjamin Hayes	Junior	Business	93.27	82.37	79.2	88.38	85.04	82.79	86.47	70.09	79.87
Owen Chandler	Sophomore	Business	75.09	64	89.59	11.48	64.04	100	89.12	72.17	77.05
Nora Stanton	Senior	Business	53.16	70.95	91.9	69	73.15	98.06	91.38	69.34	75.60
Jackson Lee	Senior	Business	55.85	87.2	45.12	100	100	85.7	100	48.59	72.31
Abigail Knight	Sophomore	Business	46.93	86.93	100	41.43	49.93	87.97	92.09	59.03	70.00
Zoey Harmon	Junior	Business	82.23	79.6	42.32	72.84	76.54	88.81	89.61	47.49	67.96
	Scarlett Vaughn Grace Whitman Levi Sharp Aurora Finch Stella Norton Benjamin Hayes Owen Chandler Nora Stanton Jackson Lee Abigail Knight	Scarlett Vaughn Grace Whitman Levi Sharp Aurora Finch Stella Norton Senjamin Hayes Owen Chandler Nora Stanton Jackson Lee Abigail Knight Senior Senior Senior Senior Senior Senior	Scarlett Vaughn Senior Business Grace Whitman Sophomore Business Levi Sharp Freshman Business Aurora Finch Junior Business Stella Norton Senior Business Owen Chandler Sophomore Business Nora Stanton Senior Business Jackson Lee Senior Business Abigail Knight Sophomore Business	Scarlett Vaughn         Senior         Business         100           Grace Whitman         Sophomore         Business         42.6           Levi Sharp         Freshman         Business         72.44           Aurora Finch         Junior         Business         74.64           Stella Norton         Senior         Business         78.71           Benjamin Hayes         Junior         Business         93.27           Owen Chandler         Sophomore         Business         75.09           Nora Stanton         Senior         Business         53.16           Jackson Lee         Senior         Business         55.85           Abigail Knight         Sophomore         Business         46.93	Scarlett Vaughn         Senior         Business         100         69.14           Grace Whitman         Sophomore         Business         42.6         65.26           Levi Sharp         Freshman         Business         72.44         62.2           Aurora Finch         Junior         Business         74.64         100           Stella Norton         Senior         Business         78.71         80.4           Benjamin Hayes         Junior         Business         93.27         82.37           Owen Chandler         Sophomore         Business         75.09         64           Nora Stanton         Senior         Business         53.16         70.95           Jackson Lee         Senior         Business         55.85         87.2           Abigail Knight         Sophomore         Business         46.93         86.93	Scarlett Vaughn         Senior         Business         100         69.14         100           Grace Whitman         Sophomore         Business         42.6         65.26         96.47           Levi Sharp         Freshman         Business         72.44         62.2         62.31           Aurora Finch         Junior         Business         74.64         100         60           Stella Norton         Senior         Business         78.71         80.4         100           Benjamin Hayes         Junior         Business         93.27         82.37         79.2           Owen Chandler         Sophomore         Business         75.09         64         89.59           Nora Stanton         Senior         Business         53.16         70.95         91.9           Jackson Lee         Senior         Business         55.85         87.2         45.12           Abigail Knight         Sophomore         Business         46.93         86.93         100	Scarlett Vaughn         Senior         Business         100         69.14         100         78.41           Grace Whitman         Sophomore         Business         42.6         65.26         96.47         66.39           Levi Sharp         Freshman         Business         72.44         62.2         62.31         85.7           Aurora Finch         Junior         Business         74.64         100         60         29.89           Stella Norton         Senior         Business         78.71         80.4         100         39.73           Benjamin Hayes         Junior         Business         93.27         82.37         79.2         88.38           Owen Chandler         Sophomore         Business         75.09         64         89.59         11.48           Nora Stanton         Senior         Business         53.16         70.95         91.9         69           Jackson Lee         Senior         Business         55.85         87.2         45.12         100           Abigail Knight         Sophomore         Business         46.93         86.93         100         41.43	Scarlett Vaughn         Senior         Business         100         69.14         100         78.41         60.34           Grace Whitman         Sophomore         Business         42.6         65.26         96.47         66.39         76.71           Levi Sharp         Freshman         Business         72.44         62.2         62.31         85.7         67.67           Aurora Finch         Junior         Business         74.64         100         60         29.89         100           Stella Norton         Senior         Business         78.71         80.4         100         39.73         53.79           Benjamin Hayes         Junior         Business         93.27         82.37         79.2         88.38         85.04           Owen Chandler         Sophomore         Business         75.09         64         89.59         11.48         64.04           Nora Stanton         Senior         Business         53.16         70.95         91.9         69         73.15           Jackson Lee         Senior         Business         55.85         87.2         45.12         100         100           Abigail Knight         Sophomore         Business         46.93         86.93<	Scarlett Vaughn         Senior         Business         100         69.14         100         78.41         60.34         93.47           Grace Whitman         Sophomore         Business         42.6         65.26         96.47         66.39         76.71         86.84           Levi Sharp         Freshman         Business         72.44         62.2         62.31         85.7         67.67         77.58           Aurora Finch         Junior         Business         74.64         100         60         29.89         100         96.51           Stella Norton         Senior         Business         78.71         80.4         100         39.73         53.79         100           Benjamin Hayes         Junior         Business         93.27         82.37         79.2         88.38         85.04         82.79           Owen Chandler         Sophomore         Business         75.09         64         89.59         11.48         64.04         100           Nora Stanton         Senior         Business         53.16         70.95         91.9         69         73.15         98.06           Jackson Lee         Senior         Business         55.85         87.2         45.12	Scarlett Vaughn         Senior         Business         100         69.14         100         78.41         60.34         93.47         71.04           Grace Whitman         Sophomore         Business         42.6         65.26         96.47         66.39         76.71         86.84         85.93           Levi Sharp         Freshman         Business         72.44         62.2         62.31         85.7         67.67         77.58         68.98           Aurora Finch         Junior         Business         74.64         100         60         29.89         100         96.51         87.28           Stella Norton         Senior         Business         78.71         80.4         100         39.73         53.79         100         76.95           Benjamin Hayes         Junior         Business         93.27         82.37         79.2         88.38         85.04         82.79         86.47           Owen Chandler         Sophomore         Business         75.09         64         89.59         11.48         64.04         100         89.12           Nora Stanton         Senior         Business         53.16         70.95         91.9         69         73.15         98.06	Scarlett Vaughn         Senior         Business         100         69.14         100         78.41         60.34         93.47         71.04         100           Grace Whitman         Sophomore         Business         42.6         65.26         96.47         66.39         76.71         86.84         85.93         100           Levi Sharp         Freshman         Business         72.44         62.2         62.31         85.7         67.67         77.58         68.98         100           Aurora Finch         Junior         Business         74.64         100         60         29.89         100         96.51         87.28         79.02           Stella Norton         Senior         Business         78.71         80.4         100         39.73         53.79         100         76.95         81.22           Benjamin Hayes         Junior         Business         93.27         82.37         79.2         88.38         85.04         82.79         86.47         70.09           Owen Chandler         Sophomore         Business         75.09         64         89.59         11.48         64.04         100         89.12         72.17           Nora Stanton         Senior         Busin

### 3.A Apply filters and sort the data so that:

- Only students whose Major is Business are visible, and
- Students with higher Total scores appear at the top.

## Problem #4. Conditional Formatting

Navigate to the worksheet Quiz4-Sheet4, and complete the following task.

ID	Student	Class	Major	Attendance	Quiz #1	Quiz #2	Quiz #3	Quiz #4	Quiz #5	Quiz #6	Final	Total	Symbol
10028394	Olivia Bennett	Senior	Accounting	82.78	98.73	73.66	66.36	100	100	87.22	90.53	90.45	
10147629	Liam Carter	Freshman	Communication	57.62	69.94	66.96	64.32	68.38	80.48	98.17	81.8	76.88	
10283910	Ava Morgan	Junior	Political Science	94.86	84.17	59.48	27.94	89.48	86.66	96.46	100	91.11	<b> </b>
10359284	Noah Thompson	Sophomore	Political Science	67.78	74.99	43.98	68.33	100	68.64	83.6	88.11	81.58	
10478125	Emma Hayes	Junior	Biology	72.58	100	55.41	70.01	62.09	93.47	86.51	83.84	82.00	<b> </b>
10593462	Jackson Lee	Senior	Business	55.85	87.2	45.12	100	100	85.7	100	48.59	72.31	

- 4.A Apply conditional formatting to the data according to the following rules:
  - Green flag: Total greater than or equal to 87.
  - Yellow flag: Total less than 87 but greater than or equal to 80.
  - Red flag: Total less than 80.
  - Original Score: \_\_\_\_\_\_ Recovered Score: \_\_\_\_\_
  - Original Date: \_\_\_\_\_

     Recovered Date: \_\_\_\_\_