

Name: _____

Student ID: _____

ECON 0150 | MiniExam 2 | Version A

This MiniExam will take 16 minutes with a quick break to follow. MiniExams are designed to both test your knowledge and challenge you to apply familiar concepts in new environments. Treat it as if you're trying to show me that you understand the material. Answer clearly, completely, and concisely.

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- I will not communicate directly or indirectly with others during the MiniExam.

*~3 min
FINISHED EARLY!*

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? _____

What will be the maximum monthly revenue for Premium?

- [45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

- [Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
—	—
—	—

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
 2. (Absences == 0)
 3. (Grade >= 60)
 4. (Absences > 0)
-

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? _____

What is the LOWEST balance among the accounts that meet these criteria? _____

If we removed the Status requirement, how many accounts would be included? _____

Name: Kurt Habazin

Student ID: 3608342

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

① (Grade < 60)

Grade < 60 Absences = 0

② (Absences == 0)

| or |

3. (Grade \geq 60)

(1) OR (2)

4. (Absences > 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)

2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 2

What is the LOWEST balance among the accounts that meet these criteria? -100

If we removed the Status requirement, how many accounts would be included? 6

Name: Jay Zheng

Student ID: 4766538

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level ≤ 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)

2. (Absences == 0)

3. (Grade >= 60)

4. (Absences > 0)

1 or 2

(1) OR (2)

(Grade < 60) OR (Absence == 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 5

Name: Abior Mostafa

Student ID: 4637120

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade \geq 60)
4. (Absences > 0)

$$\begin{array}{c} 1 \text{ or } 2 \\ \hline 1 \quad | \quad 2 \end{array}$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Katie Hoven

Student ID: 46 55199

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

$$\begin{array}{r} P \\ \hline 65 \\ 75 \\ \hline 140 \\ - 85 \\ \hline 55 \end{array} \quad \begin{array}{r} S \\ \hline 35 \\ 35 \\ \hline 70 \\ + 15 \\ \hline 85 \end{array} \quad \begin{array}{r} B \\ \hline 15 \\ 15 \\ \hline 30 \end{array}$$

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Home</u>	<u>35</u>
<u>Electronics</u>	<u>35</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)

~~X~~ (Grade >= 60)

~~X~~ (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250 (A082)

If we removed the Status requirement, how many accounts would be included? 4 + 2 = 6

Name: Ruby Iscandarari

Student ID: 4806285

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[85] [86] [87] (85)

If we instead calculated the SUM, which plan type would have the LOWEST total?

(Basic) Standard Premium

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>35</u>
Home	<u>35</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: $(\text{Delay_Minutes} > 15) \text{ AND } (\text{Distance_Miles} < 1000)$

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. $(\text{Grade} < 60)$
2. $(\text{Absences} == 0)$

3. $(\text{Grade} \geq 60)$

4. $(\text{Absences} > 0)$

$(\text{GRADE} < 60) \text{ OR } (\text{PERFECT ATTENDANCE})$

1

OR

2

(1) OR (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn ($\text{Balance} < 0$) OR inactive ($\text{Last_Transaction} > 90$ days ago)
2. Account does NOT have premium status ($\text{Status} != \text{'Premium'}$)

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 2

Name: Alexis Alarcen

Student ID: 4C20752

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>electronics</u>	99 + 125 = 214 / 2 = 107
<u>none</u>	60 + 10 + 20 + 25 + 78 = 143 $78 + 54 = 132 / 2 = 66$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

- 1. (Grade < 60)
- 2. (Absences == 0)
- 3. (Grade >= 60)
- 4. (Absences > 0)

$$\text{Total} = (\text{Grade} < 60) \text{ OR } (\text{Absences} == 0)$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

ONE must
be true

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Alinn chan

Student ID: 4645883

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-

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 185

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	<u>$99 + 125 = - \div 2$</u>
— Home	<u>$22 + 56 = - \div 2$</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

- ✓ 1. (Grade < 60)
- ✓ 2. (Absences == 0)
- 3. (Grade >= 60)
- 4. (Absences > 0)

(1) and (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 7

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Sophia Ghobrial

Student ID: 4611953

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

45 70 225

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>107</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

(Grade < 60) OR (Absences == 0)

1. (Grade < 60)
2. (Absences == 0)
- ~~3. (Grade >= 60)~~
- ~~4. (Absences > 0)~~

(1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

- AND**
1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
 2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Hannah Ghobrial

Student ID: 4611952

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Q1. Calculate Grouping Results (see Table 1)

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How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>107</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000).

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 or 2)

grade < 60 or abs = 0

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? - 250

If we removed the Status requirement, how many accounts would be included? 6

Name: Kerji Long

Student ID: 4692242

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After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar) _____

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

Filter: [Grade < 60] OR [Absences == 0]

$[(\text{Grade} < 60) \& (\text{Absences} == 0)] \& [(\text{Grade} \geq 60) \& (\text{Absences} == 0)] \& [(\text{Grade} < 60) \& (\text{Absences} > 0)]$

Q5. Analyse a Filter (see Table 5)

$(1 \& 2) \& (3 \& 2) \& (1 \& 4)$

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Kiersten Engstrom

Student ID: 4719223

ECON 0150 | MiniExam 2 | Version A

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Academic Conduct Code

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KE I will complete this MiniExam solely using my own work.

KE I will not use any digital resources unless explicitly allowed by the instructor.

KE I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	<u>107</u>
— Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)

(1 OR 2) NOT (3 OR 4)

2. (Absences == 0)

3. (Grade >= 60)

(1 OR 2)

4. (Absences > 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: McKenna Hooks

Student ID: 4185940

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(Grade) or (absent)
(1 or 2) or (3 or 4)

(1 or 2) not (3 or 4)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 10

Name: Lauren Stuccio

Student ID: 4619490

ECON 0150 | MiniExam 2 | Version A

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LS I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

Basic, Premium, Standard

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

65, 75, 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Home	\$39
electronics	\$107

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)

2. (Absences == 0)

3. (Grade >= 60)

4. (Absences > 0)

(1) OR (2)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Riley Widdop

Student ID: 4646592

ECON 0150 | MiniExam 2 | Version A

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RW I will complete this MiniExam solely using my own work.

RN I will not use any digital resources unless explicitly allowed by the instructor.

RN I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

P	B	S
65		
75		
85		

What will be the maximum monthly revenue for Premium?

[45] [65] [75] (85)

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

45 70 225

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	\$107
Home	\$39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) OR (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Anna Merlos

Student ID: 9445152

ECON 0150 | MiniExam 2 | Version A

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I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

(Basic) [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50 4
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>- 35</u>
<u>Home</u>	<u>- 35</u>

Q3. Identify Filtered Rows (see Table 3) .

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60) **(1) And (2)**
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)



Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 3

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Ava Carragher

Student ID: 4621779

ECON 0150 | MiniExam 2 | Version A

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AC I will complete this MiniExam solely using my own work.

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AC I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3 (basic, standard, premium)

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ 45 & 70 & 140+85 = 225 \end{array}$$

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

$$\text{Home: } \frac{78}{2} = 39$$

$$\text{Elec: } \frac{214}{2} = 107$$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

↑
184800

↑
304600

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) OR (2)

(Grade < 60) OR (Absences == 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4 (A002, A004, A005, A007)

What is the LOWEST balance among the accounts that meet these criteria? -250 (A002)

If we removed the Status requirement, how many accounts would be included? 6 (A002, A003, A004, A005, A006, A007)

Name: Chase Nano

Student ID: 4654536

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)

2. (Absences == 0)

3. (Grade >= 60)

4. (Absences > 0)

Grade < 60

1

Absences == 0

2

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 3

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 5

Name: Matt Stiks

Student ID: 4671920

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

- ✓ 1. Filter for Stock_Level <= 50
- 2. Group by Category
- 3. Calculate MEAN Price for each group (round to nearest dollar)

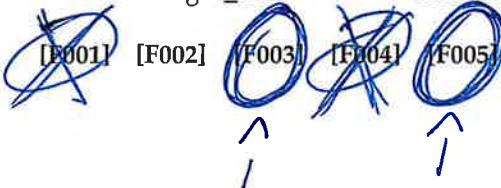
Category	Mean_Price
— Electronics	— 35 107
— Home	— 35 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- ~~[F001]~~ [F002] ~~[F003]~~ ~~[F004]~~ ~~[F005]~~ [F006]
- 

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

~~SEAMS~~ (1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? A002 (-250)

If we removed the Status requirement, how many accounts would be included? 5

Name: SCARLETT WEIR

Student ID: 4759355

ECON 0150 | MiniExam 2 | Version A

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SW I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Clothing	— 41
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

FAILED(GRADE<60) OR PA(ABSENCES=0)

1. (Grade < 60)
2. (Absences == 0)
3. ~~(Grade >= 60)~~
4. ~~(Absences > 0)~~

(1) OR (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Matan Cohen

Student ID: 4631169

ECON 0150 | MiniExam 2 | Version A

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MC I will complete this MiniExam solely using my own work.

MC I will not use any digital resources unless explicitly allowed by the instructor.

MC I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>167</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

1
2
(Grade < 60) OR (Absences == 0)
1 or 2

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 7

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Jean-Luc Tessier

Student ID: 4652635

ECON 0150 | MiniExam 2 | Version A

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JLT I will complete this MiniExam solely using my own work.

JLT I will not use any digital resources unless explicitly allowed by the instructor.

JLT I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level ≤ 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

*1 OR 2
Don't need 3, 4*

(Grade < 60) OR (Absences == 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Xiaom Zheng

Student ID: 46 81 906

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>107</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(Grade < 60) ~~AND~~ ^{OR} (Absences == 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 2

-250

What is the LOWEST balance among the accounts that meet these criteria? _____

If we removed the Status requirement, how many accounts would be included? 4 5

Name: Michael Canaran

Student ID: 4530247

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Zachary Trilly

Student ID: 4642754

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

$$78/2 = 39$$

Category	Mean_Price
<u>Electronics</u>	<u>54</u> <u>52</u> <u>107</u>
<u>Home</u>	<u>35</u> <u>39</u>

$$219/2 = 107$$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(Grade < 60) OR (Absences == 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6 total 2 more

Name: Christian Ercoli

Student ID: 4717326

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— electronics	— 107
— home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 2

Name: RuiXuan Li

Student ID: 4681348

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium? 85
[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium] Basic

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	$(89+125)/2 = 107$
Home	$(22+56)/2 = 39$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Δ

Δ

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

✓ ✓

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(Grade < 60) OR (Absences == 0)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 2

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? \$ 5

Name: madeline Karpas

Student ID: 4730226

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] (85)

If we instead calculated the SUM, which plan type would have the LOWEST total?

(Basic) [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Home	— 35
— Electronics	— 35

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)

2. Absences == 0

3. (Grade >= 60)

4. (Absences > 0)

(1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Ethan Papa

Student ID: A537873

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>108</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? 250

If we removed the Status requirement, how many accounts would be included? 6 (2 Mor)

Name: Adam Arwington

Student ID: 4844780

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) OR (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? - 250

If we removed the Status requirement, how many accounts would be included? 6

Name: Mikailyn Matacavage

Student ID: 4656864

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? Three

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>\$ 107.00</u>
<u>Home</u>	<u>\$ 39.00</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
AND
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? Four

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? Six

Name: Madelyn Steele

Student ID: 4669177

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

41 10

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>307</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

(Failed) OR (perfect attendance)

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) OR (2)

(1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? *4*

What is the LOWEST balance among the accounts that meet these criteria? *-250*

If we removed the Status requirement, how many accounts would be included? *6*

Name: Jason Perillo

Student ID: 4713813

ECON 0150 | MiniExam 2 | Version A

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JP I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 185

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	-\$107
— Home	-\$39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -50

If we removed the Status requirement, how many accounts would be included? 6

Name: Henry Gallup

Student ID: 4539909

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>\$107</u>
<u>Home</u>	<u>\$39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0). *or*

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -\$250

If we removed the Status requirement, how many accounts would be included? 6

Name: Sofia Heimel

Student ID: 4714846

ECON 0150 | MiniExam 2 | Version A

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 I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

45 10 225

1	V001	Basic
	V004	Basic
	V007	Basic
2	V002	Prem.
	V005	
	V008	
3	V003	Stand.
	V006	

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50 P001, P003, P004, P006

2. Group by Category [P001, P003] [P004, P006]

3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics (P001, P003)	\$107 $(25+45)/2$
Home	\$78 $(22+56)/2$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 OR 3) OR (2 AND 4)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Anthony Chirinos

Student ID: 4907004

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 8

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>107</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)
Greater than 15 less than 1000

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
 2. (Absences == 0)
 3. (Grade >= 60)
 4. (Absences > 0)
-

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
negative balance over 90 days
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 3

What is the LOWEST balance among the accounts that meet these criteria? -100

If we removed the Status requirement, how many accounts would be included? 7

Name: Kyle Molz

Student ID: 4660576

ECON 0150 | MiniExam 2 | Version A

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KM I will complete this MiniExam solely using my own work.

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KM I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

(Basic) [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 35
— Home	— 35

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: LUKE THOMSON

Student ID: 465276

ECON 0150 | MiniExam 2 | Version A

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I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

125+189 =

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

$$22 + 56 = \frac{78}{2} = 39$$

Category	Mean_Price
Electronics	107
Home	39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Daren Cen

Student ID: 4746297

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: $(\text{Delay_Minutes} > 15) \text{ AND } (\text{Distance_Miles} < 1000)$

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

~~1, 2, 3, 4~~ (1 or 2)

Filter: $((\text{Grade} < 60) \text{ or } (\text{Absences} == 0))$

Filter: $((\text{Grade} < 60) \text{ || } (\text{Absences} == 0))$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Lukas Jones

Student ID: LAJ 116

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

$(\text{Grade} < 60)$ or $(\text{Absences} == 0)$

1. $(\text{Grade} < 60)$
2. $(\text{Absences} == 0)$
3. $(\text{Grade} \geq 60)$
4. $(\text{Absences} > 0)$

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn ($\text{Balance} < 0$) OR inactive ($\text{Last_Transaction} > 90$ days ago)
2. Account does NOT have premium status ($\text{Status} != \text{'Premium'}$)

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? 200

If we removed the Status requirement, how many accounts would be included? 6

Name: Eileen Hu

Student ID: 41641049

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— electronics	— 35
— home	— 35

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

$(\text{Grade} < 60) \text{ or } (\text{Absences} == 0)$

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4 3

What is the LOWEST balance among the accounts that meet these criteria? ~~100~~ -50

If we removed the Status requirement, how many accounts would be included? 6 5

Name: Cooper Sainiah

Student ID: 4543832

ECON 0150 | MiniExam 2 | Version A

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CS I will not use any digital resources unless explicitly allowed by the instructor.
CS I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

$$B = 45 \quad D = 76 \quad P = 225$$

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>35</u>
Home	<u>35</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **(F003)** [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

- 1. (Grade < 60)
- 2. (Absences == 0)
- 3. (Grade >= 60)
- 4. (Absences > 0)

(1 AND 2) OR (1 AND 4) OR (2 AND 3)

- grade ✓, attendance ✓

= grade X, attendance ✓

excluded: grade ✓, attendance X

- grade X, attendance X

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Hilary Chen

Student ID: 4571386

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	107
Home	39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 or 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Emily Rod

Student ID: EAR113 - 2693

ECON 0150 | MiniExam 2 | Version A

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Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

45 70 100

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	$\frac{41+125}{2} = 83$
— Home	$\frac{122+56}{2} = 89$

25

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed ($\text{Grade} < 60$) OR have perfect attendance ($\text{Absences} == 0$).

- 1.** ($\text{Grade} < 60$)
- 2.** ($\text{Absences} == 0$)
- 3. ($\text{Grade} \geq 60$)
- 4. ($\text{Absences} > 0$)

1 OR 2

$$= (\textcircled{1} \text{ AND } \textcircled{2}) \text{ OR } (\textcircled{1} \text{ AND } \textcircled{4}) \text{ OR } (\textcircled{2} \text{ AND } \textcircled{3})$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn ($\text{Balance} < 0$) OR inactive ($\text{Last_Transaction} > 90$ days ago)
2. Account does NOT have premium status ($\text{Status} != \text{'Premium'}$)

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 10

Name: Lucas Nakamura

Student ID: 4491851

ECON 0150 | MiniExam 2 | Version A

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LN I will complete this MiniExam solely using my own work.

LN I will not use any digital resources unless explicitly allowed by the instructor.

LN I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>107</u> = <u>$\frac{89+125}{2}$</u>
<u>Home</u>	<u>39</u> = <u>$\frac{22+56}{2}$</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

$$(1 \text{ AND } (2 \text{ or } 4)) \text{ OR } (2 \text{ AND } (1 \text{ or } 3))$$

$$\underline{(1 \text{ AND } (2 \text{ OR } 4)) \text{ OR } (2 \text{ AND } (1 \text{ OR } 3))}$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 5

Name: Kyle Beardon

Student ID: 4626331

ECON 0150 | MiniExam 2 | Version A

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- KK I will complete this MiniExam solely using my own work.
KA I will not use any digital resources unless explicitly allowed by the instructor.
KA I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
<u>Electronics</u>	<u>107</u>
<u>Home</u>	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

Ignore \rightarrow [F001] ~~F002~~ [F003] [F004] [F005] [F006]
F001 F002 F003 F004 F005 F006

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

- ✓ 1. (Grade < 60)
- ✗ 2. (Absences == 0)
- 3. (Grade >= 60)
- 4. (Absences > 0)

$$\begin{array}{c} (\text{Grade} < 60) \text{ OR } (\text{Absences} == 0) \\ \hline (1 \text{ AND } (2 \text{ OR } 4)) \text{ OR } (2 \text{ AND } (1 \text{ OR } 3)) \end{array}$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 5

Name: Joseph Corella

Student ID: 4515970

ECON 0150 | MiniExam 2 | Version A

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JC I will complete this MiniExam solely using my own work.

JC I will not use any digital resources unless explicitly allowed by the instructor.

JC I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3 (including column headers)

What will be the maximum monthly revenue for Premium?

[45] [65] [75] (85)

If we instead calculated the SUM, which plan type would have the LOWEST total?

(Basic) [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 35
— Home	— 25

$$25 + 45 = 70$$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) OR (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Riley Prell

Student ID: 4628824

ECON 0150 | MiniExam 2 | Version A

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RP I will complete this MiniExam solely using my own work.

RP I will not use any digital resources unless explicitly allowed by the instructor.

RP I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

B: 15 + 15 + 15

What will be the maximum monthly revenue for Premium?

P: 65 + 75 + 85

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total? S: 35 + 35

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level ≤ 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

$\text{Delay} > 15 \text{ AND } \text{Miles} < 100$

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

We need students failed or perfect attendance

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 or 2)

~~(1 and 2)~~
~~(1 or 3) and (1 or 4)~~

() ()

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
AND
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: SAAVI SAKHUSA

Student ID: 4137248

ECON 0150 | MiniExam 2 | Version A

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 I will not communicate directly or indirectly with others during the MiniExam.
-

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? By 3.

What will be the maximum monthly revenue for Premium?

[45] [65] [75] (85)

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] Standard [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronic	— 35
— Home	— 35.

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(Grade < 60) OR (Absences == 0)
(1) OR (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 1 (~~A002~~)

What is the LOWEST balance among the accounts that meet these criteria? -250 (the only account)

If we removed the Status requirement, how many accounts would be included? 1 (~~A002~~)

Name: James Sampurno

Student ID: 4569386

ECON 0150 | MiniExam 2 | Version A

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 I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	107
Home	38

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

- 1. (Grade < 60)
- 2. (Absences == 0)

~~X~~ (Grade >= 60)

~~X~~ (Absences > 0)

(1) or (2)

(1 or 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

- 1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
- 2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 3

What is the LOWEST balance among the accounts that meet these criteria? -50

If we removed the Status requirement, how many accounts would be included? 5

Name: Lisa-Sophia Kachalava

Student ID: 4818M3

ECON 0150 | MiniExam 2 | Version A

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 I will not use any digital resources unless explicitly allowed by the instructor.
 I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
home	30
electronics	107

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

(Grade < 60) or (Absences == 0)

(1) or (2)

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

_____ | or 2 _____

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? A002

If we removed the Status requirement, how many accounts would be included? 6

Name: Luke Brennfleck

Student ID: 4614978

ECON 0150 | MiniExam 2 | Version A

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LB I will complete this MiniExam solely using my own work.

LB I will not use any digital resources unless explicitly allowed by the instructor.

LB I will not communicate directly or indirectly with others during the MiniExam.

Q1 ✓ Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2 ✓ Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 AND 4) OR (2 AND 3)

Q5. Analyse a Filter (see Table 5)

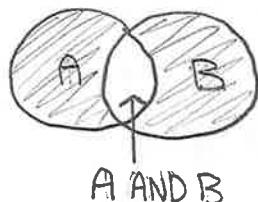
The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 3

What is the LOWEST balance among the accounts that meet these criteria? -50

If we removed the Status requirement, how many accounts would be included? 5



$$\begin{aligned} & A \text{ OR } B \\ & = A + B - (A \text{ AND } B) \end{aligned}$$

Name: Isabella Ortega

Student ID: 4653919

ECON 0150 | MiniExam 2 | Version A

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10 I will not use any digital resources unless explicitly allowed by the instructor.
10 I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] 85

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

$$\begin{aligned} P &= 22S \\ B &= 4S \\ S &= 170 \end{aligned}$$

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 and 2) OR (1 and 4) OR (2 and 3)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250 (A002)

If we removed the Status requirement, how many accounts would be included? 6

Name: Daniel Harter

Student ID: 4613422

ECON 0150 | MiniExam 2 | Version A

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- I will complete this MiniExam solely using my own work.
 I will not use any digital resources unless explicitly allowed by the instructor.
 I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

✓ How many rows will the output have? 3

✓ What will be the maximum monthly revenue for Premium?
[45] [65] [75] 85

✓ If we instead calculated the SUM, which plan type would have the LOWEST total?
[Basic] Standard [Premium]
45 70 225

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Electronics	<u>107</u>
Home	<u>39</u>

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] (F003) [F004] (F005) [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1 OR 2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6 Total (2 overdrawn)

Name: David Parkers

Student ID: 4711921

ECON 0150 | MiniExam 2 | Version A

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DWP I will complete this MiniExam solely using my own work.

DWP I will not use any digital resources unless explicitly allowed by the instructor.

DWP I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50

Value

2. Group by Category

H: 56+72 = 78
E: 89+125 = 214

3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
Home	<u>39</u>
Electronics	<u>107</u>

✓ Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] [F005] [F006]

✓ Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
- ~~3. (Grade >= 60)~~
- ~~4. (Absences > 0)~~

(Grade < 60) or (Absences == 0)

✓ Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Joseph Ambroffi

Student ID: 4693602

ECON 0150 | MiniExam 2 | Version A

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JA I will complete this MiniExam solely using my own work.

JA I will not use any digital resources unless explicitly allowed by the instructor.

JA I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

Basic [Standard] [Premium]

$$\begin{aligned} \text{Basic} &= 45 \\ \text{Stand} &= 70 \\ \text{Prem} & \end{aligned}$$

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
3. Calculate MEAN Price for each group (round to nearest dollar)

Category	Mean_Price
— Electronics	— 107
— Home	— 39

Q3. Identify Filtered Rows (see Table 3)

Given the airline flights data, which rows remain after applying:

Filter: (Delay_Minutes > 15) AND (Distance_Miles < 1000)

greater than
less than

Circle the Flight_IDs that would remain in the filtered dataset:

- [F001] [F002] [F003] [F004] [F005] [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

$$\frac{(\text{Grade} < 60) \text{ OR } (\text{Absences} == 0)}{(1) \text{ OR } (2)}$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Ty Serarowski

Student ID: HG43653

ECON 0150 | MiniExam 2 | Version A

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Academic Conduct Code

The following academic conduct code is designed to protect the integrity of your work. Print your name/initials beside the three academic honesty agreements. I pledge to my fellow students, the university, and the instructor, that:

- I will complete this MiniExam solely using my own work.
 I will not use any digital resources unless explicitly allowed by the instructor.
 I will not communicate directly or indirectly with others during the MiniExam.

Q1. Calculate Grouping Results (see Table 1)

After grouping the subscription data by Plan_Type and calculating MAX Monthly_Revenue:

How many rows will the output have? 3

What will be the maximum monthly revenue for Premium?

[45] [65] [75] [85]

If we instead calculated the SUM, which plan type would have the LOWEST total?

[Basic] [Standard] [Premium]

Q2. Apply Filter and Aggregate (see Table 2)

Fill in the exact result of the following operations using the product inventory data:

1. Filter for Stock_Level <= 50
2. Group by Category
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Category	Mean_Price
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Circle the Flight_IDs that would remain in the filtered dataset:

[F001] [F002] **[F003]** [F004] **[F005]** [F006]

Q4. Construct a Filter Expression (no table needed)

Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0). **(1) or (2)**

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

(1) or (2)

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? **4**

What is the LOWEST balance among the accounts that meet these criteria? **-250**

If we removed the Status requirement, how many accounts would be included? **6**

Name: Dylan Jones

Student ID: 4647848

ECON 0150 | MiniExam 2 | Version A

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Write out an expression using the following operations to find all students who either failed (Grade < 60) OR have perfect attendance (Absences == 0).

1. (Grade < 60)
2. (Absences == 0)
3. (Grade >= 60)
4. (Absences > 0)

$$\begin{array}{c} \text{(1 or 2)} \\ \hline (\text{Grade} < 60) \text{ or } (\text{Absences} == 0) \end{array}$$

Q5. Analyse a Filter (see Table 5)

The bank wants to identify problematic accounts that meet BOTH criteria:

1. Account is either overdrawn (Balance < 0) OR inactive (Last_Transaction > 90 days ago)
2. Account does NOT have premium status (Status != 'Premium')

How many accounts meet these criteria? 4

What is the LOWEST balance among the accounts that meet these criteria? -250

If we removed the Status requirement, how many accounts would be included? 6

Name: Alex Faluso

Student ID: 4648164

ECON 0150 | MiniExam 2 | Version A

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