Name:	Student ID:
ECON 0150	MiniExam 2 Version A
*	ick break to follow. MiniExams are designed to both test your knowl-cepts in new environments. Treat it as if you're trying to show me that completely, and concisely.
Academic Conduct Code	
side the three academic honesty agreements. I I will complete this MiniExam solely usin	· .
I will not use any digital resources unless I will not communicate directly or indirectly	
Q1. Calculate Grouping Results (see The After grouping the subscription data by Plan_T	
How many rows will the output have?	
What will be the maximum monthly revenue [45] [65] [75] [85]	
If we instead calculated the SUM, which plan [Basic] [Standard] [Premium]	type would have the LOWEST total?
Q2. Apply Filter and Aggregate (see T	able 2)
Fill in the exact result of the following operation	ons 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?

Data Tables

Table 1: Subscription Revenue

User_ID	Plan_Type	Monthly_Revenue
U001	Basic	15
U002	Premium	65
U003	Standard	35
U004	Basic	15
U005	Premium	75
U006	Standard	35
U007	Basic	15
U008	Premium	85

Table 2: Product Inventory

Product_ID	Category	Price	Stock_Level
P001	Electronics	89	25
P002	Clothing	35	150
P003	Electronics	125	45
P004	Home	22	30
P005	Clothing	48	200
P006	Home	56	40

Table 3: Airline Flights

Flight_ID	Delay_Minutes	Distance_Miles
F001	5	450
F002	25	1200
F003	18	800
F004	0	350
F005	30	600
F006	12	1500

Table 5: Bank Accounts

Account_ID	Balance	Last_Transaction	Status
A001	1500	15	Standard
A002	-250	120	Basic
A003	5000	95	Premium
A004	-50	5	Standard
A005	200	180	Basic
A006	-100	30	Premium
A007	800	92	Standard
A008	3000	2	Premium