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Question 1:

IPO

Input: days of the week purchase amount

Process: operators needed

Comparison operators (<>,>=)

Boolean operator (AND)

Output: discount

Question 2: Pseudocode

Begin

Int dtw (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday) & total cost of products purchased %d

Display “enter day of the week”

Scan “dtw, %d”

If (dtw = Monday, Tuesday, Wednesday, Thursday, Friday, Saturday & %d >= 5000)

Begin

 Display “not applicable for a discount”

End

Else (Sunday & %d > 5000)

Begin

 Display “not applicable for a discount”

End

Else

Begin

 If (dtw = Sunday & %d < 5000)

End

End