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**Q5. Design the IPO Chart to calculate the average of five quiz scores entered by a student.**

|  |  |  |  |
| --- | --- | --- | --- |
| Input | Processing | Module Reference | Output |
| Quiz 1 Quiz 2 Quiz 3  Quiz 4 Quiz 5 | **1.**Enter Quiz 1,Quiz 2,Quiz 3 ,Quiz 4 and Quiz 5 **2.**Calculate Total  **3.**Calculate average.  **4.**Print average  **5.**End | Read  Calc  Calc  Print | Average |

**Q6. A taxi service charges Rs. 200 for first 5 km and Rs. 50 per km for distance above 5 km. Create an IPO chart for the above fare system.**

|  |  |  |  |
| --- | --- | --- | --- |
| Input | Processing | Module Reference | Output |
| Distance | **1.**Enter Distance  **2.**IF Distance<=5km  THEN Fare=Rs200  ELSE Fare=200+(distance-5)\*50  **3.**Print Fare  **4.**End | Read  IF-ELSE Condition  Calc  Print | FARE |

**Q8. Write pseudocode for a program that converts Celsius temperature to Fahrenheit.**

START

READ Celsius  
 CALCULATE Fahrenheit= (Celsius\*1.8)+32  
 PRINT Fahrenheit

END

**Q9. Write pseudocode for an ATM machine: Ask for PIN. If the pin is correct then allow withdrawal. If withdrawal is greater than the account balance display message “Insufficient Funds.” Otherwise perform the transaction and update the account balance and show balance.**

Start

READ Pin  
IF Pin==correct\_pin THEN  
 PRINT “You Entered Corrected, please write them amount you want to withdraw”  
 READ Amount  
 IF Amount<=Balance && Amount>0  
 THEN Balance=Balance-Amount  
 PRINT “Transition successful”  
 ELSE PRINT “Insufficient Funds”  
 ENDIF  
ELSE PRINT “You Enter Wrong PIN”  
ENDIF

END

**Q7. Draw a flowchart to check if a number entered by the user is even or odd.**

Start

Input  
number

If  
number%2==0

Print  
“EVEN”

Print  
“ODD”

Stop

**YES**

**NO**