28-08-2024

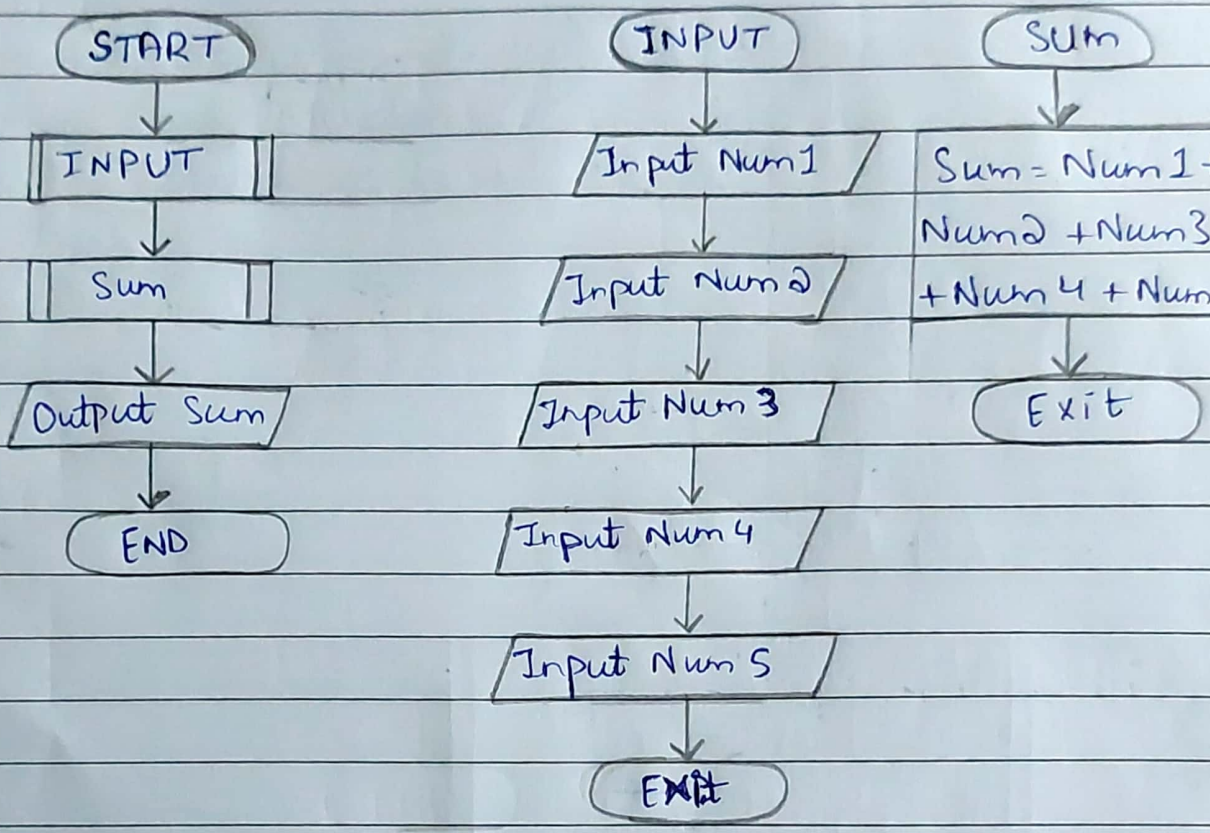
PF LAB 02

Date: M T W T F S S

Talha Ali Khan
24K-3040

"FLOWCHART PROBLEMS"

Q1:-



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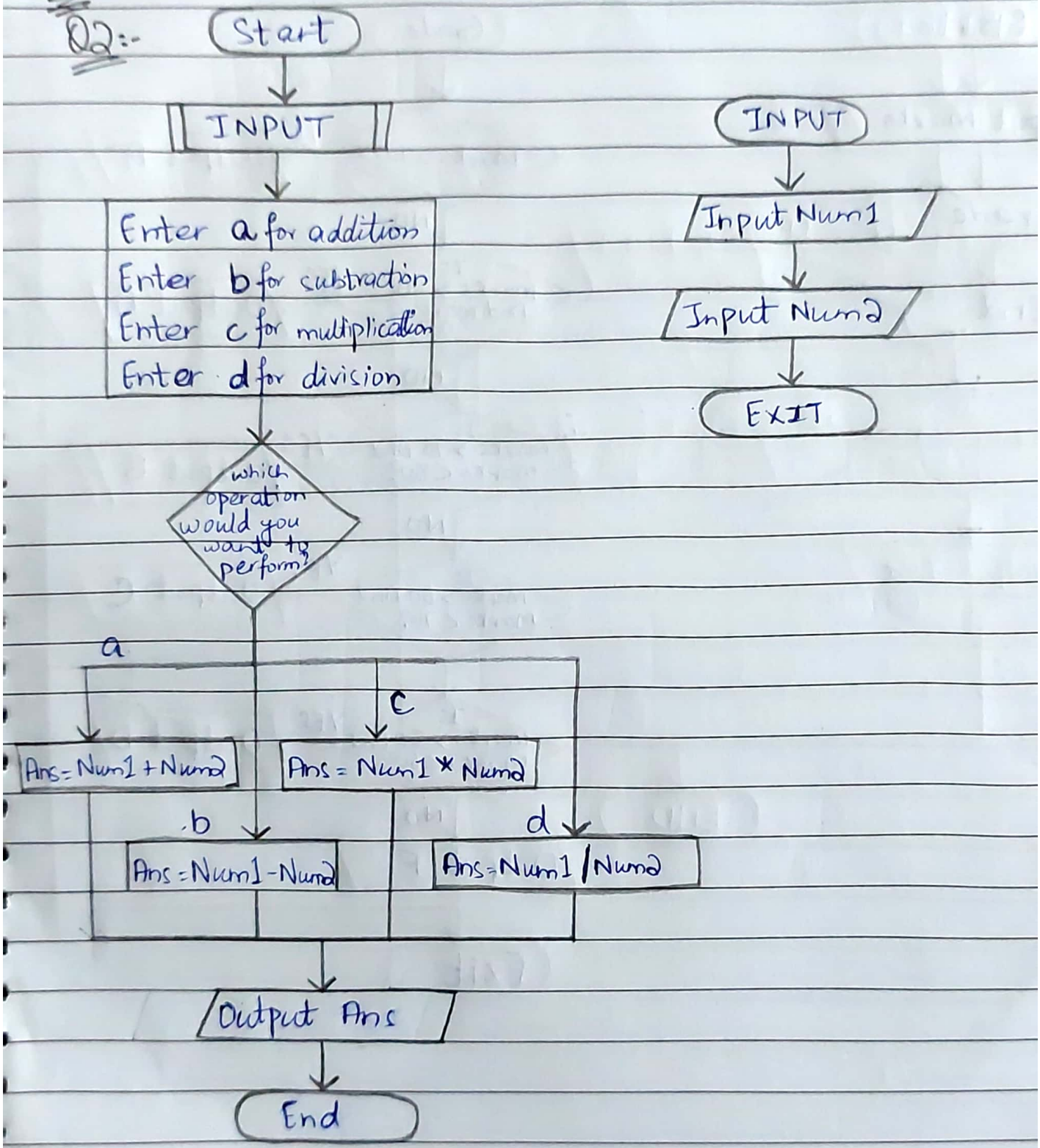
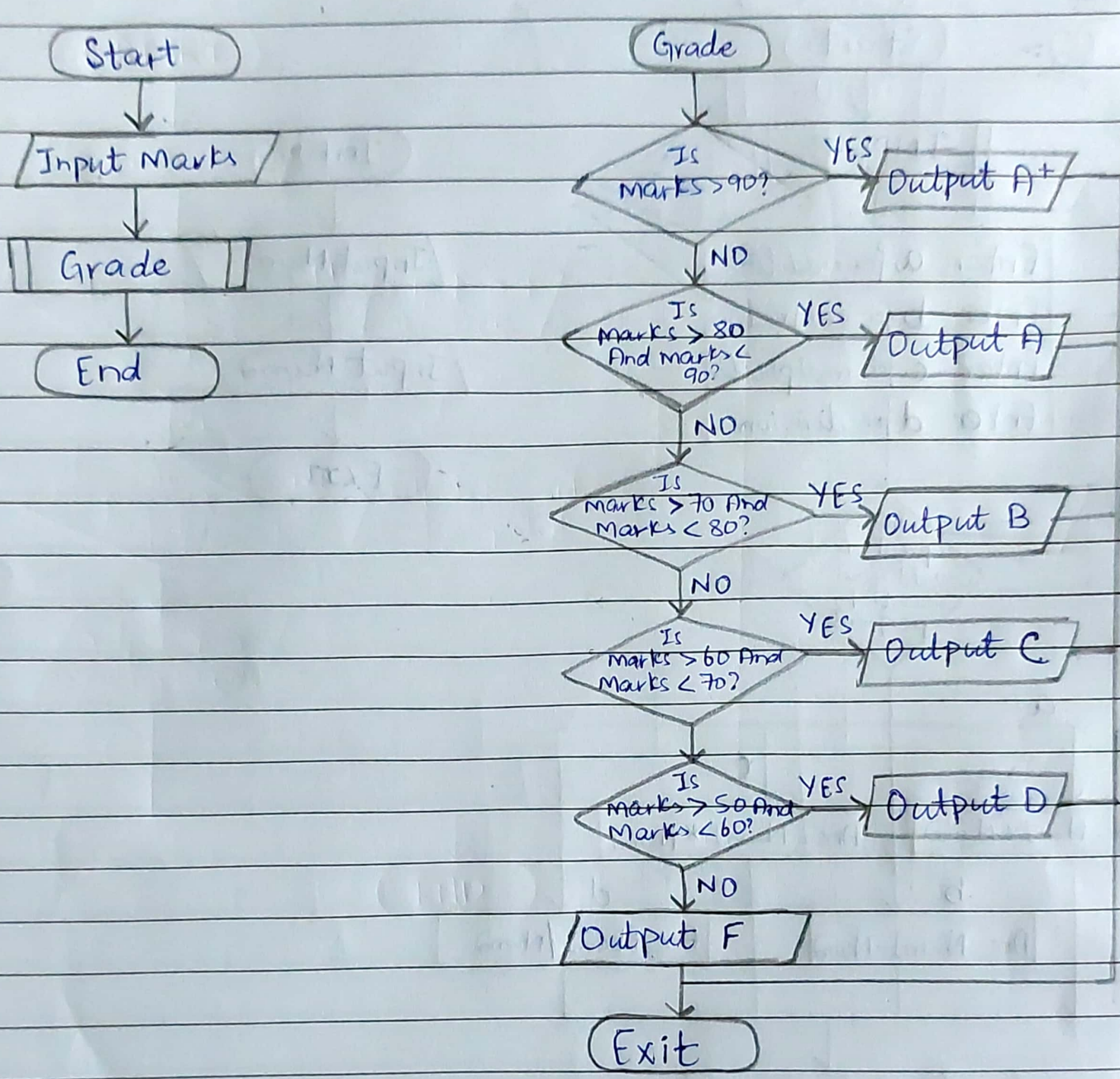
Q2:-



Date: M T W T F S S

Q3:-



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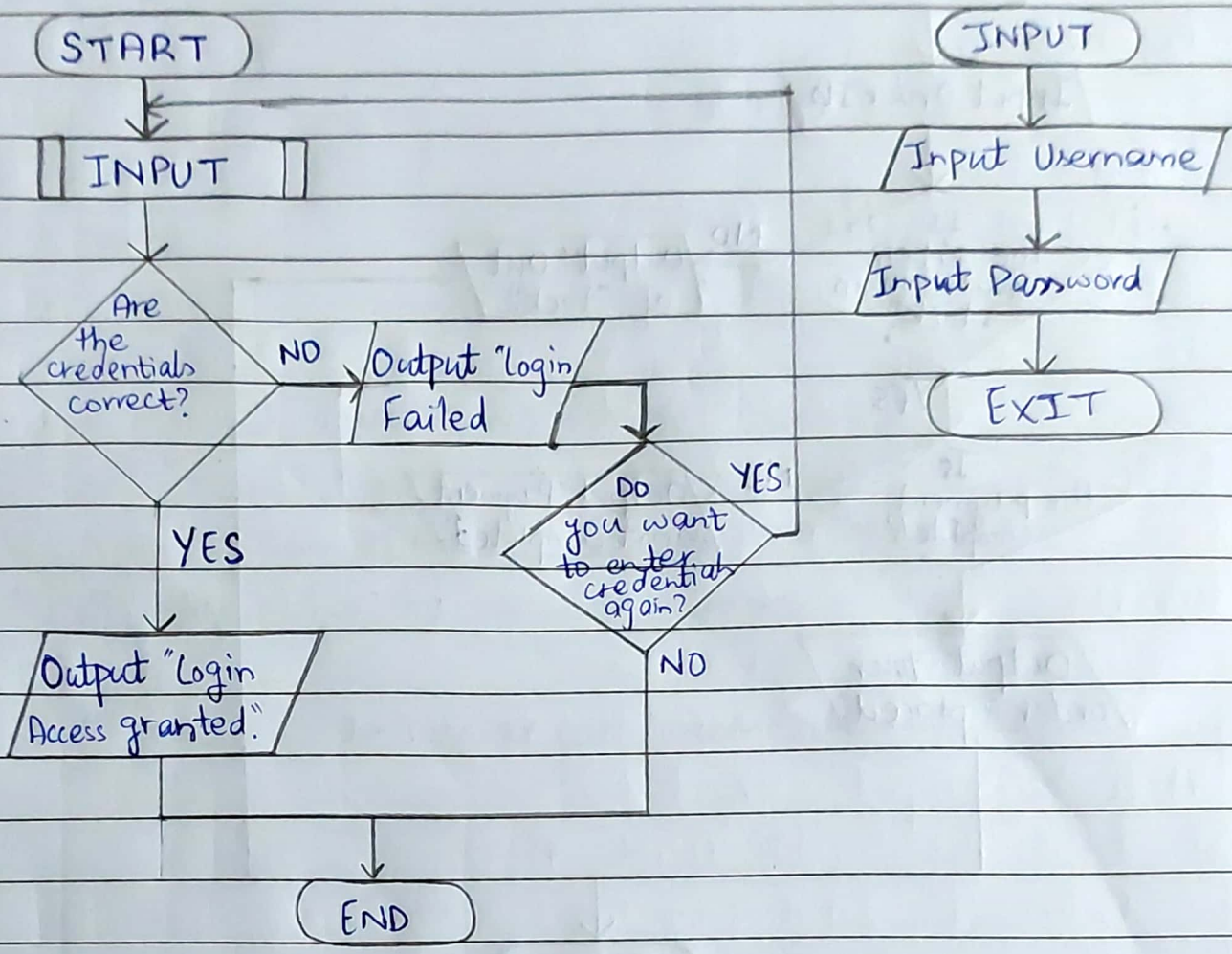
Q4:-



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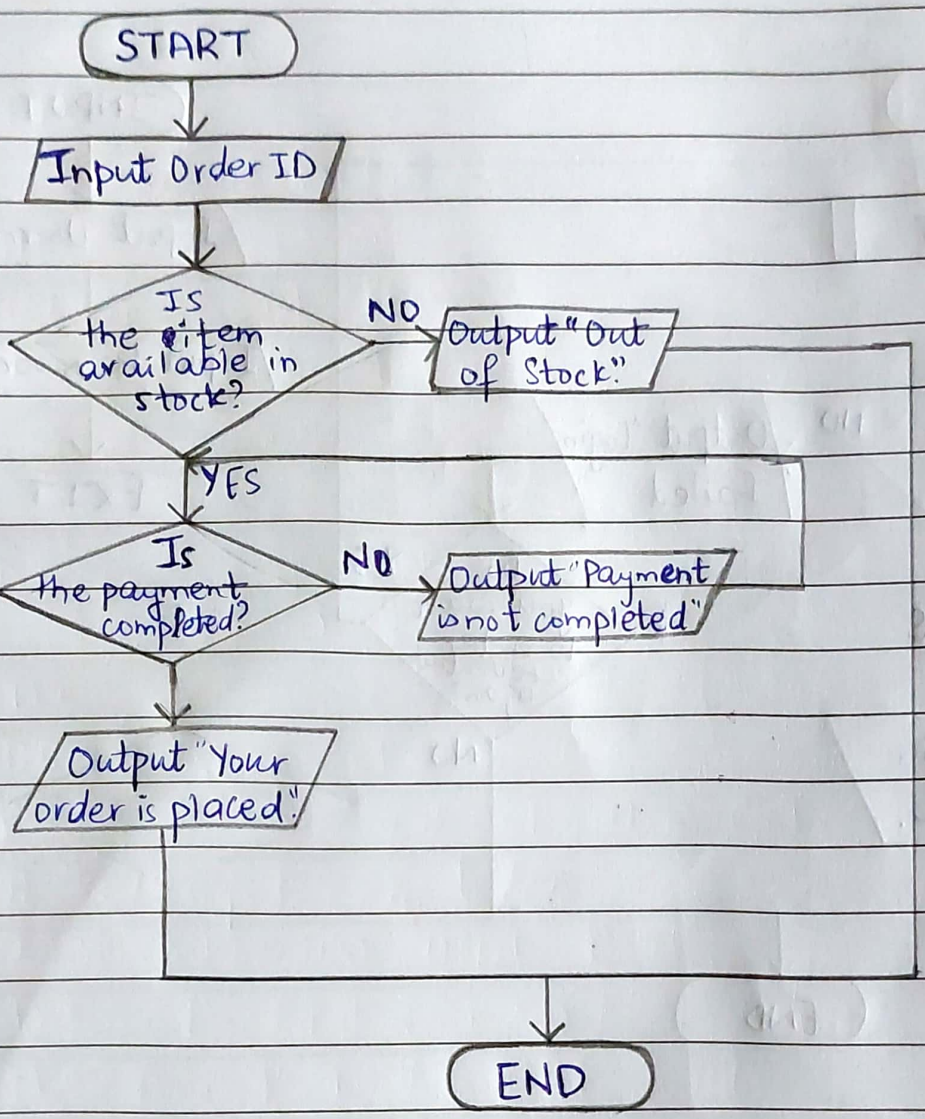
Q5:-



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"PSEUDOCODE PROBLEMS."

Q1:-

```
01  START
02  INPUT Num1
03  INPUT Num2
04  INPUT Num3
05  IF Num1 > Num2 AND Num1 > Num3 THEN
06      PRINT "Num1," is the largest number".
07  ELSE IF Num2 > Num1 AND Num2 > Num3 THEN
08      PRINT Num2, "is the largest number".
09  ELSE
10      PRINT Num3, "is the largest number".
11  END
```

Q2:-

```
01  START
02  INPUT Num_of_Hours_Parked
03  SET cost = 0
04  IF Num_of_Hours_Parked <=1 THEN
05      SET cost = 5
06  ELSE
07      cost = 5 + [(Num_of_Hours_Parked - 1) * 3]
08  PRINT "Your total parking fees is", cost
09  END
```


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Q3:-

```
01  START
02  SET Total_Cost = 0
03  REPEAT
04      INPUT Item_Cost
05      SET Total_Cost = Total_Cost + Item_Cost
06  UNTIL all inputs are taken
07  IF Total_Cost >100 THEN
08      Discount = Total_Cost * 0.1
09      New_Amount = Total_Cost - Discount
10      Print New_Amount
11  ELSE
12      PRINT Total_Cost
13  END
```

Q4:-

01 START
02 INPUT Number
03 IF Number MOD 2 = 0 THEN
04 PRINT "The number is even".
05 ELSE
06 PRINT "The number is odd".
07 END

'ALGORITHM PROBLEMS'

Q1:-

01 Ask the user to enter the number of days they attended.
Set total_classes 0
02 Ask the user to enter the number of days classes were held.
03 Set Attendance to (Attended Class / Total_Class) * 100
04 Is Attendance < 75 ?
05 Display "Warning! Student's attendance is below 75".
06 Otherwise display "Attendance of student is sufficient.

Date:

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Q2:-

01 Ask the user to enter the number_of_hours worked.
02 Ask the user to enter the pay_rate
03 Set gross_pay to (number_of_hours_worked x pay_rate).
04 Display gross_pay

Q3:-

01 Ask the user to enter Num1
02 Ask the user to enter Num2
03 Ask the user to enter operation (out from addition, subtraction, multiplication, division, or remainder).
04 IF operation is addition THEN
Set answer = Num1 + Num2
05 IF operation is subtraction THEN
Set answer = Num1 - Num2
06 IF operation is multiplication THEN
Set answer = Num1 x Num2
07 IF operation is division THEN
Set answer = Num1 / Num2
08 IF operation is remainder THEN
Set answer = Num1 % Num2
09 ELSE ask the user to enter operation again
10 Display answer to the user.

Q4:-

01 Ask the user to enter total_bill
02 Ask the user to give tip
03 IF yes THEN final_bill = (total_bill + (total_bill x 0.15))
04 IF no THEN final_bill = total_bill
05 Display final_bill

Q5:-

01 Ask the user to enter Marks
02 If Marks greater than 80, display A grade
03 If Marks greater than 60, display B grade
04 If Marks greater than 55, display C grade