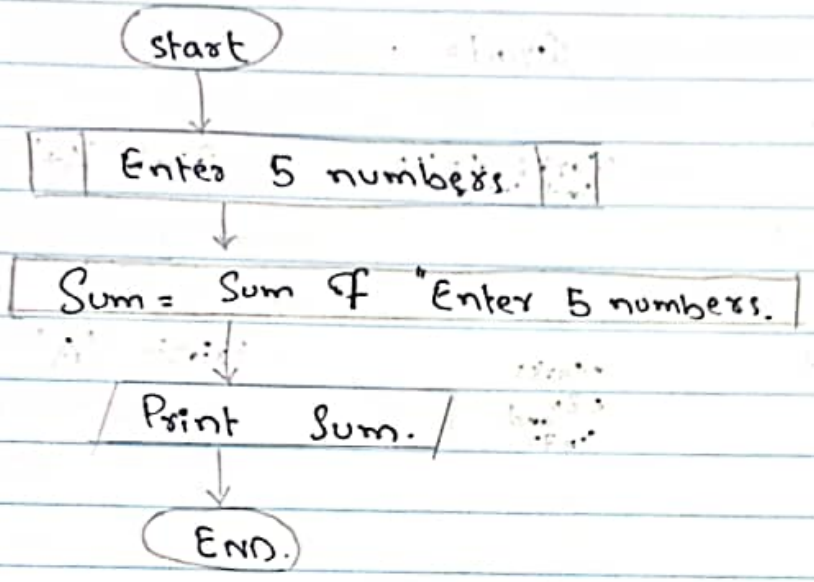
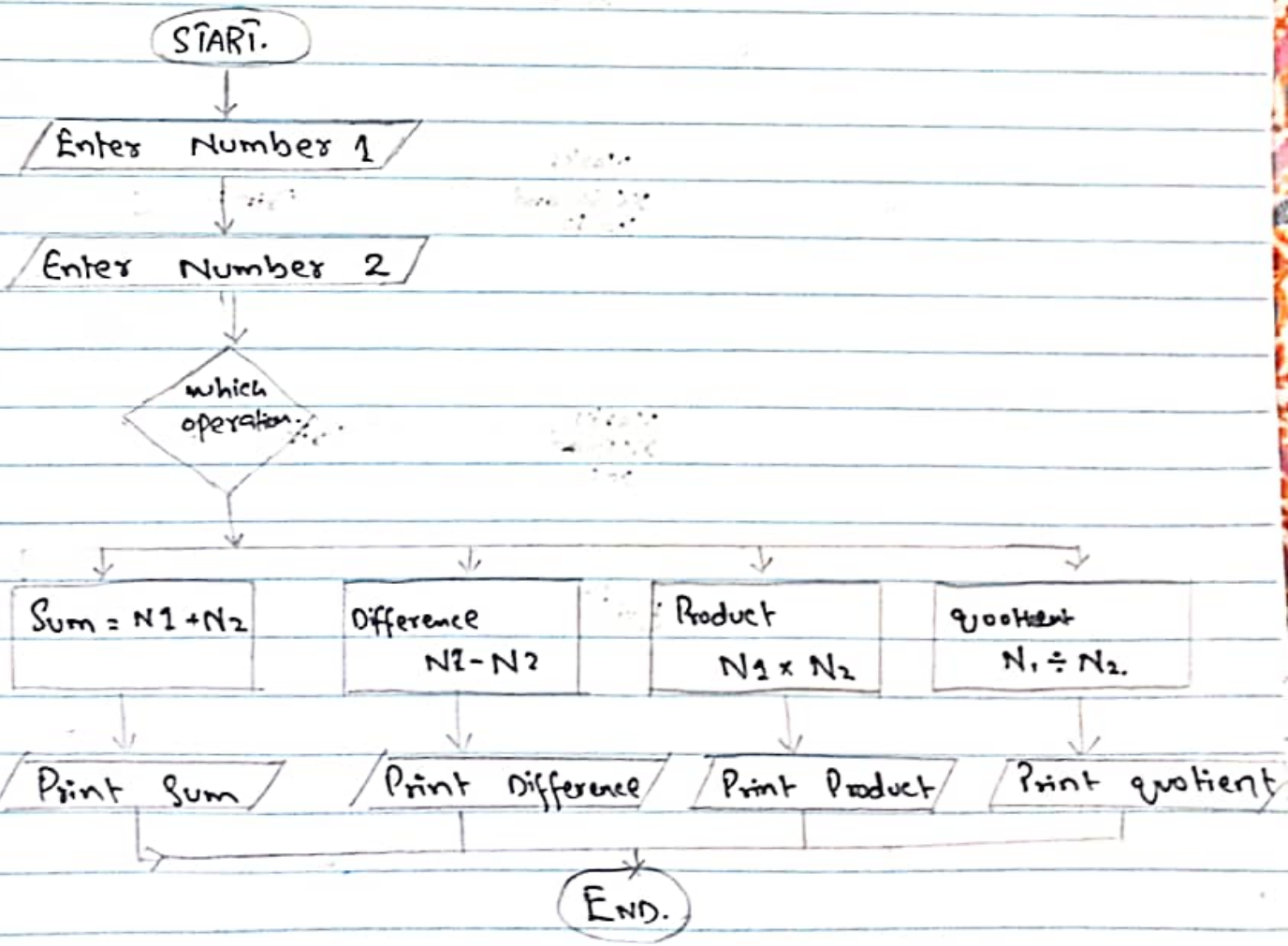
Arshad Nazir 24K-3031. Date: 28/Aug/2024.

Flowcharts

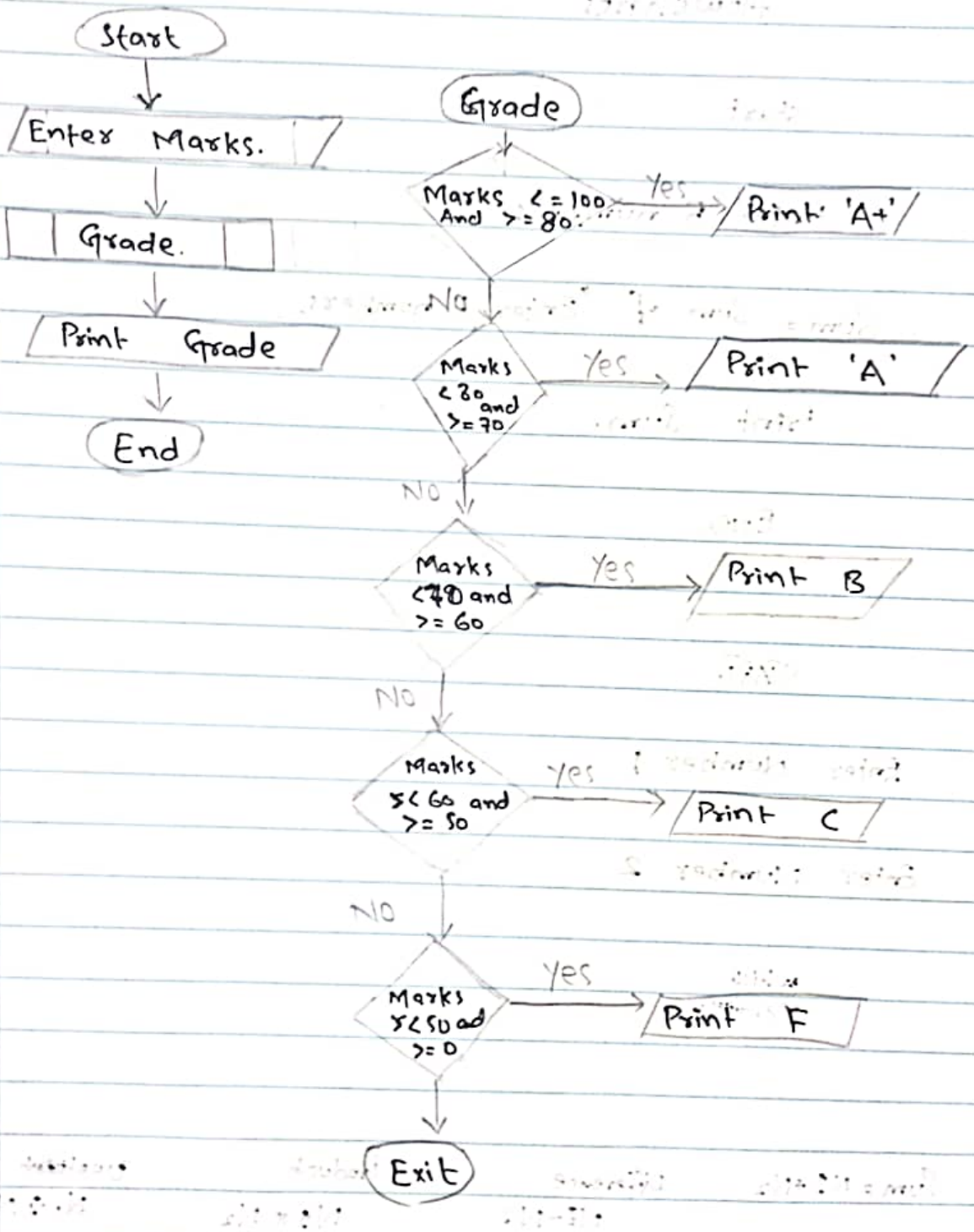
01



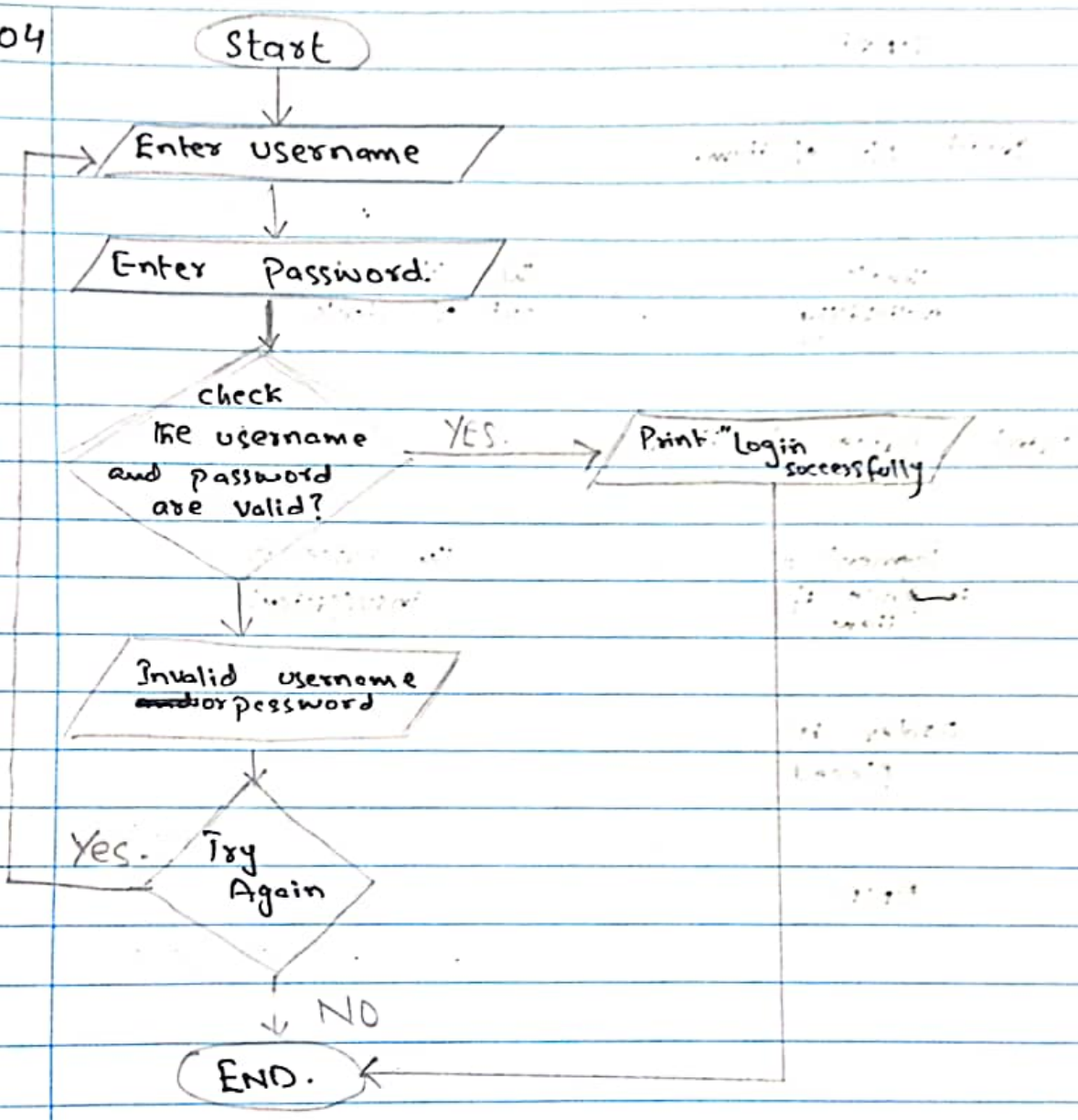
02



Q3

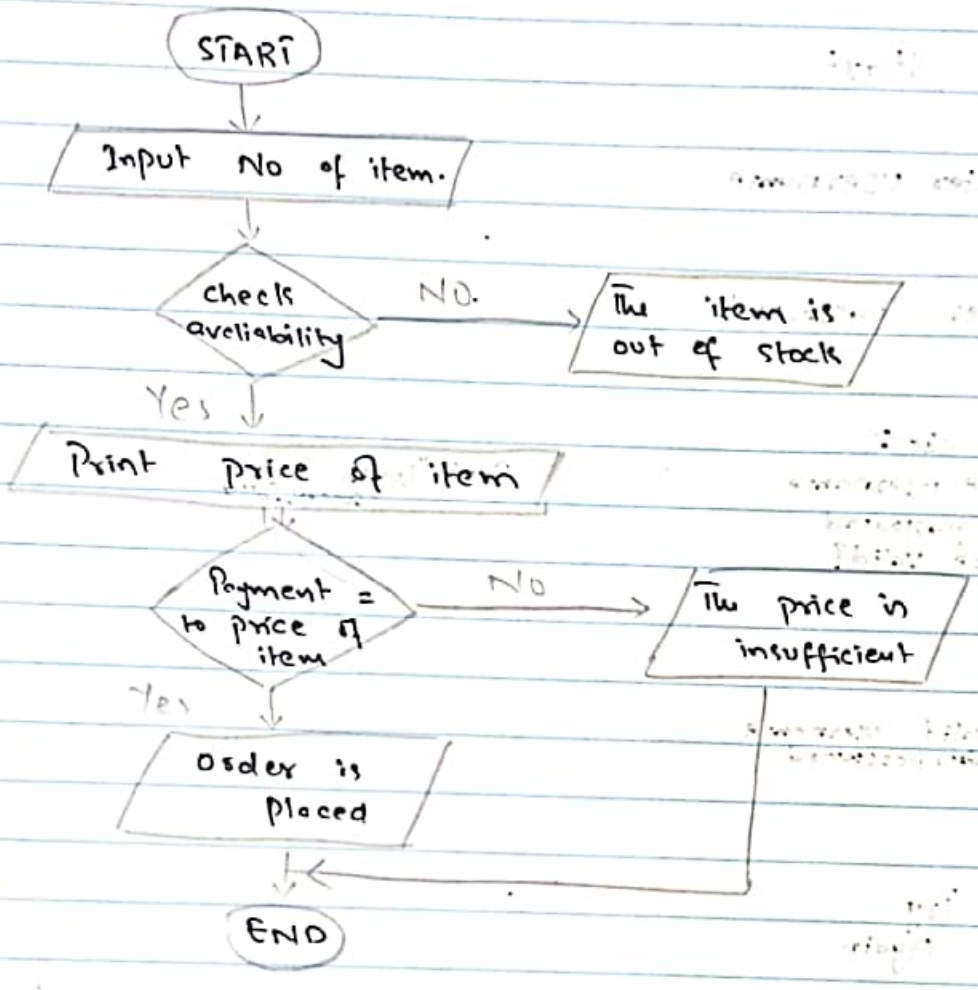

Start
Enter Marks.
Grade.
Print Grade
End
Grade
Marks <= 100 And >= 80:
Yes
Print 'A+'
No
Marks < 80 and >= 70
Yes
Print 'A'
No
Marks < 70 and >= 60
Yes
Print B
No
Marks < 60 and >= 50
Yes
Print C
No
Marks < 50 and >= 0
Yes
Print F
Exit

04



Date:

05



Date:

Pseudocode

01

01. START.
02 INPUT Num 1 , Num 2 , Num 3
03 IF Num 1 > Num 2 And Num1 > Num 3 THEN
Print Num 1 is the greatest
04 IF Num 2 > Num 1 And Num 2 > Num 3 THEN
Print Num 2 is the greatest
~~If Num 3 > Num 1 And Num 3 > Num 2 THEN~~
05 ELSE Print Num 3 is the Greater
06 END.

02

~~02~~. START.
~~03~~. START.
02 INPUT No of Hours car parked.
03 If Hours parked > 1 THEN
Cost = 5 + (Hours parked - 1) x 3
Print your fair is Cost
04 ELSE
Print "your fare is $ 5"
05 END.

Date:

03.

```
01  START
02  INPUT 'Enter your total cost', Discount
03  IF
        Totalcost > 100 THEN
            final cost = Total cost - (Total cost x discount)
        Print "final cost"
04  ELSE
        Print "Your cost is total cost"
05  END
```

04

```
01  START
02  INPUT    Enter number
03  SET      reminder = number/2
04  If  reminder  == 0  THEN
        Print "The number is even"
05  ELSE
        Print "The number is odd"
06  END
```

Algorithm.

01.

01 START

2 INPUT Total classes , Attented class.

3 Attendance = (Attented class / Total class) x 100.

4 IS Attendance < 75 ~~Then~~

Display Your Attendance is Low , warning issued.

~~ELSE~~ Otherwise

~~Your~~ Display your Attendance is enough.

5 END.

02.

01 START

02 INPUT "hours pay , hours worked"

03 Grosspay = hours pay * hours worked

04 Display Gross pay.

05 END.

Date:

03.

01 START
02 INPUT num 1 , num 2
03 Is operator '+'
Print sum = num 1 + num 2
04 Is operator '-'
Print Difference = num 1 - num 2
05 Is operator 'x'
Print product = num 1 x num 2
06 Is operator '÷'
Print quotient = num 1 ÷ num 2
07 Is operator '%'
Print Percentage = (num 1 / num 2) x 100
08 END.

04

01 START
02 INPUT total bill
03 Does customer want to give tip
04 If yes then print total bill + (total bill x 15%)
05 If No then print total bill
06 END

Date:

Q5

01. START
02 INPUT . obtained marks
03 Is marks ≤ 100 or ≥ 80 ?
or Display Grade A.
04 Is marks < 80 or ≥ 60
Display & Grade B
05 Is marks < 60 or ≥ 40
06. Display Grade C
07 END