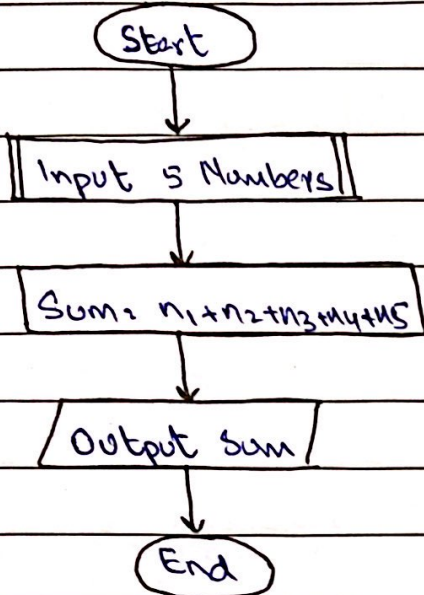
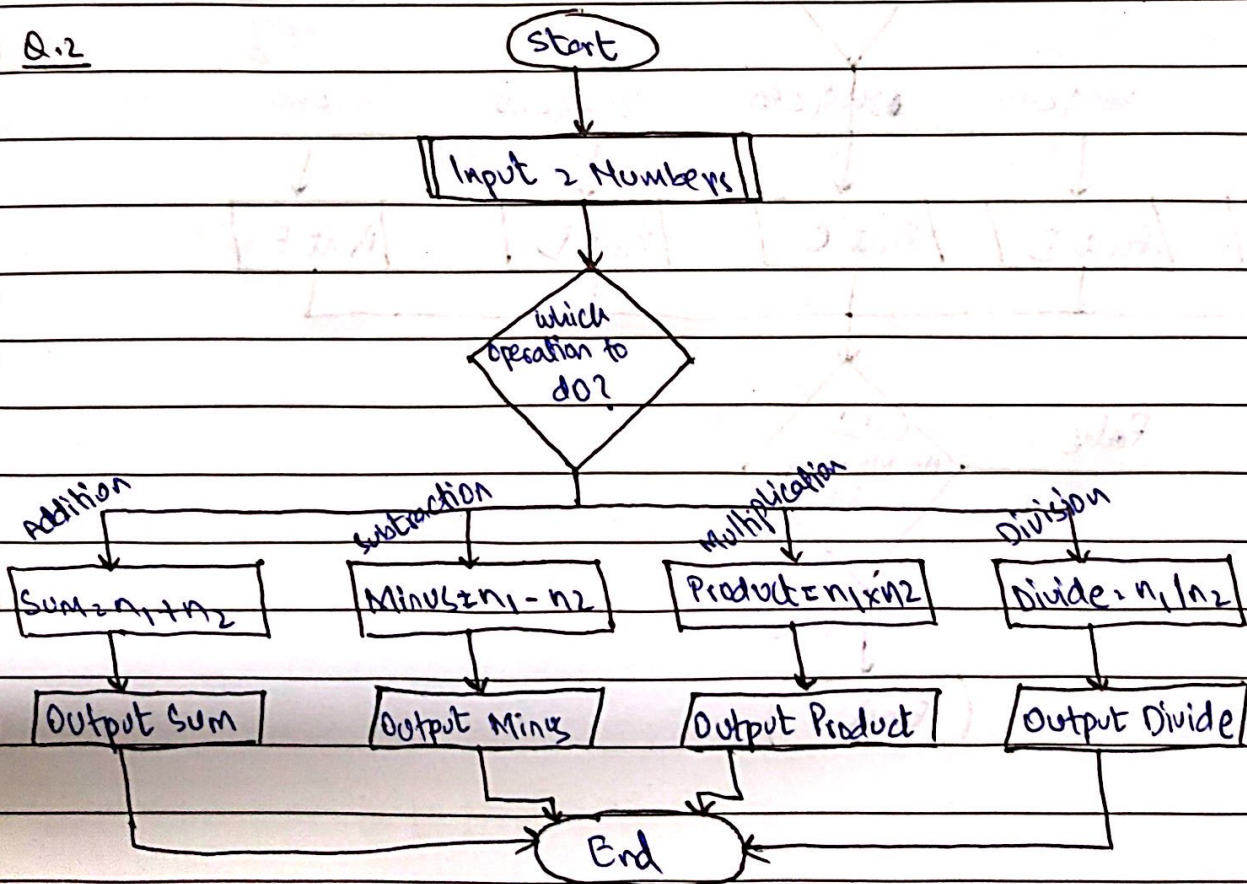


## → FLOWCHARTS:-

Q.1



Q.2



Q.3 Criteria:-

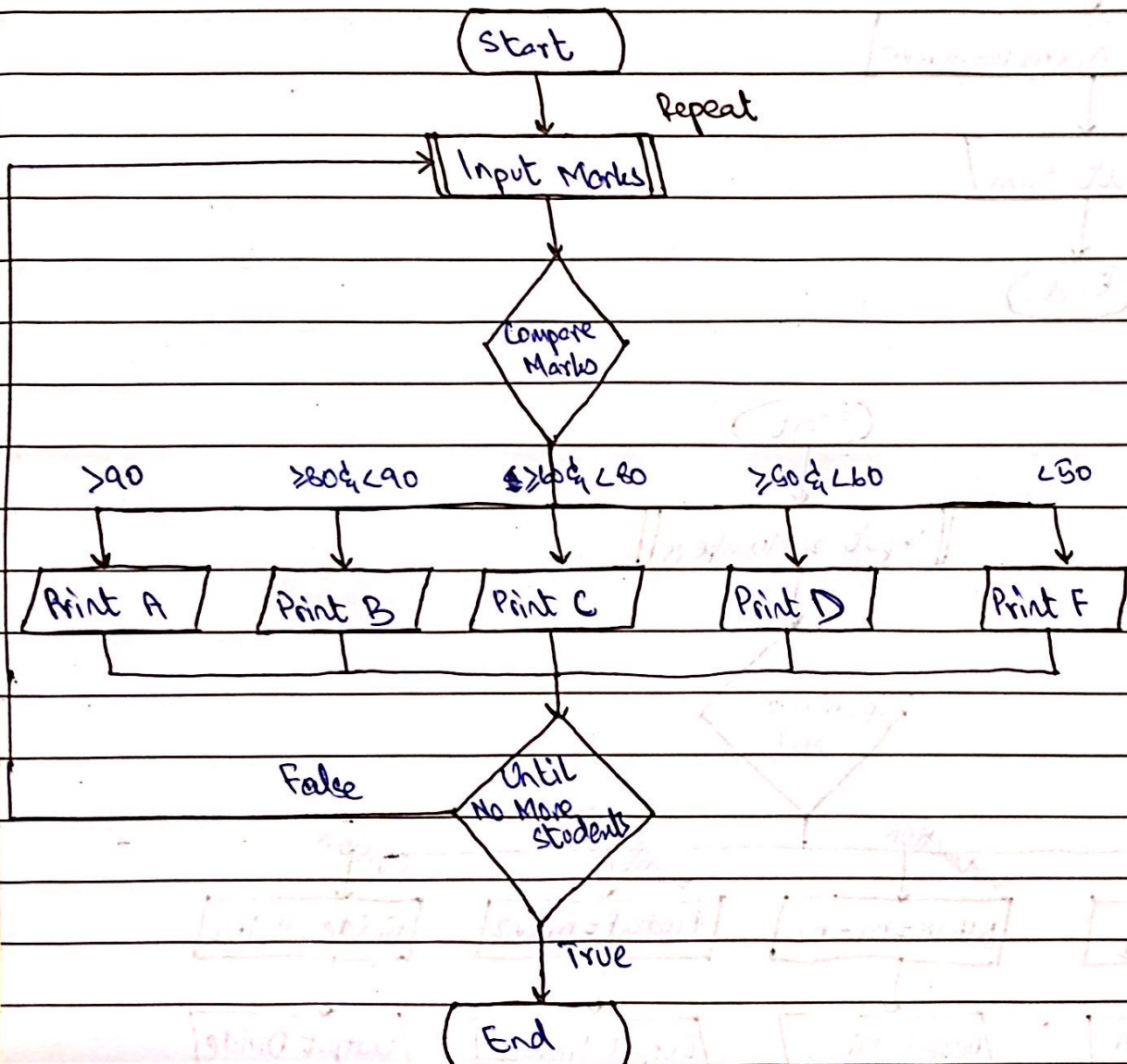
Marks  $\geq 90 \rightarrow A$

$80 \leq \text{Markus} \leq 90 \leq B$

$$60 \text{ L Marko} \overset{60}{\text{L}} = \text{L}$$

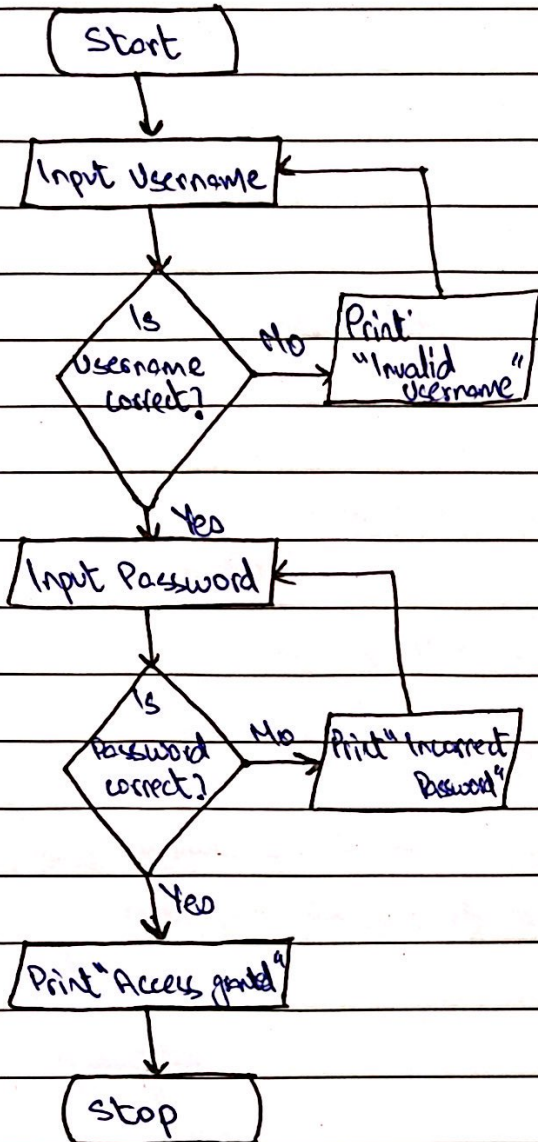
$60 \leq \text{Marko} \stackrel{L}{\leq} 60 = D$

Marks L50 2 F

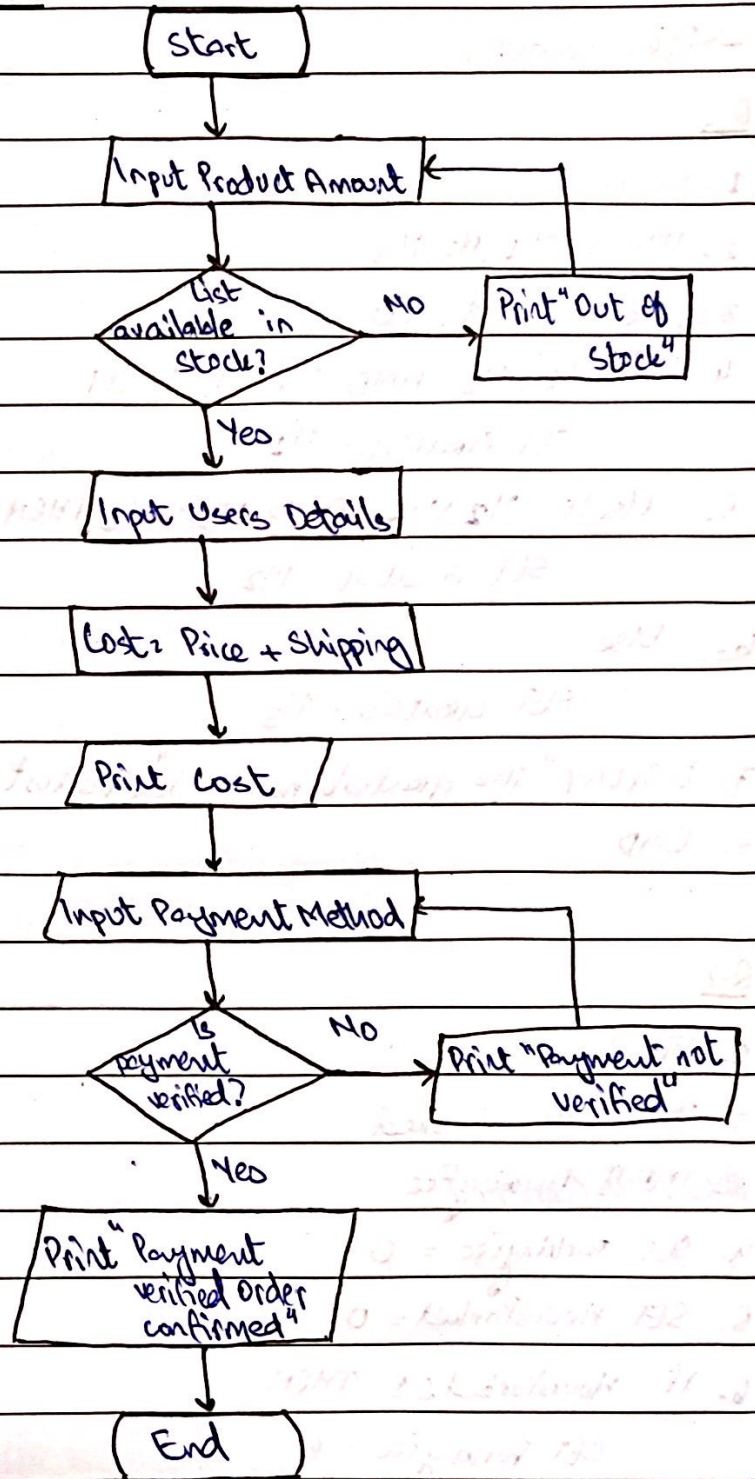




Q.4



Q.5



→ Pseudocode:-

Q.1

1. START

2. INPUT  $N_1, N_2, N_3$ ~~3. SET Greatest = 0~~4. IF  $N_1 > N_2$  AND  $N_1 > N_3$  THENSET Greatest =  $N_1$ 5. Elseif  $N_2 > N_1$  AND  $N_2 > N_3$  THENSET Greatest =  $N_2$ 

6. Else

SET Greatest =  $N_3$ 

7. DISPLAY "The greatest number is, Greatest"

8. END

Q.2

1. START

2. INPUT HoursParked

~~3. INPUT ParkingFee~~

4. SET ParkingFee = 0

5. SET HoursParked = 0

6. IF HoursParked  $\leq 1$  THEN

SET ParkingFee = 5

Elseif HoursParked  $> 1$  THENSET ParkingFee =  $5 + (\text{HoursParked} - 1) \times 3$ 

ENDIF

7. DISPLAY "ParkingFee is, ParkingFee"

8. END



Q.3

1. START

2. SET TotalCost = 0

3. INPUT Number of Items

4. SET ItemPrice = 0

5. For  $x = 1$  TO Number of Items

INPUT ItemPrice

~~6. SET TotalCost = TotalCost + ItemPrice~~~~6. SET TotalCost = TotalCost + ItemPrice ENDFOR~~7. IF TotalCost  $\leq$  100 THEN

DISPLAY "The cost of items is," TotalCost

ELSE IF TotalCost  $>$  100 THENDiscount =  $(\text{ItemPrice} / 100) * 10$ 

TotalCost = TotalCost - Discount

DISPLAY "The cost of items is," TotalCost

ENDIF

8. END

Q.4

1. START

2. SET Remainder = 0

3. INPUT Number

4. SET Remainder = ~~Number~~ Number MOD 2

5. IF Remainder == 0 THEN

DISPLAY "Number is even"

ELSE

DISPLAY "Number is odd"

6. END

→ ALGORITHM 1-Q.1

- Ask the user to input total days.
- Ask the user to input attended days.
- Calculate % attendance using the formula  $\frac{\text{attended days}}{\text{total days}} \times 100$
- If % attendance is less than 75%, give a warning.
- If % attendance is greater than 75%, give a positive feedback.

Q.2

- Ask the user to input number of hours worked.
- Ask the user to input payrate.
- Calculate gross pay using the formula  $\text{gross pay} = \text{hours worked} \times \text{payrate}$
- Display the gross pay.

Q.3

- Ask the user to input numbers  $n_1$  and  $n_2$ .
- Ask the user which operation is to be performed.
- If operation is addition then, result =  $n_1 + n_2$ .
- If operation is subtraction then, result =  $n_1 - n_2$
- If operation is division then, result =  $n_1 / n_2$ , if  $n_2$  is zero then print cannot divide by zero.
- If operation is multiplication then, result =  $n_1 \times n_2$ .
- If operation is percentage then, result =  $\frac{n_1}{n_2} \times 100$ .
- Display ~~result~~ result for user.



Q.4

- Ask user to input number of items.
- Ask user to input price of every item.
- Total cost is sum of price of every item.
- Ask the ~~cost~~ customer for tip.
- If customer ~~declines~~ <sup>declines</sup>, display total cost.
- If customer agrees, then  $\text{tip} = \frac{\text{total cost}}{100} \times 15$

$$\text{cost with tip} = \text{total cost} + \text{tip}.$$

- Display cost with tip.

Q.5

- Ask the user to input student scores.
- If score is greater than 90 display A.
- If score is greater than 75 and less than 90 display B.
- If score is greater than 50 and less than 75 display C.