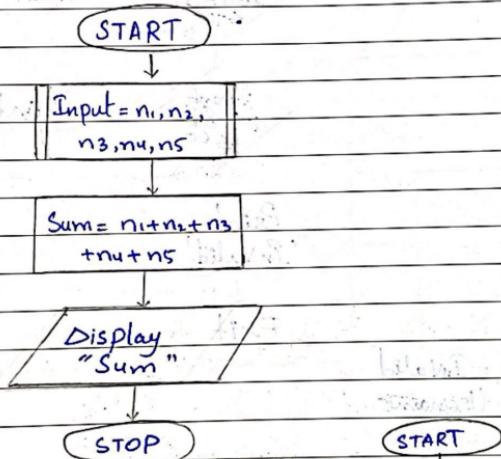


Name :- Anzeela Shafi
 ID :- 24k-3082

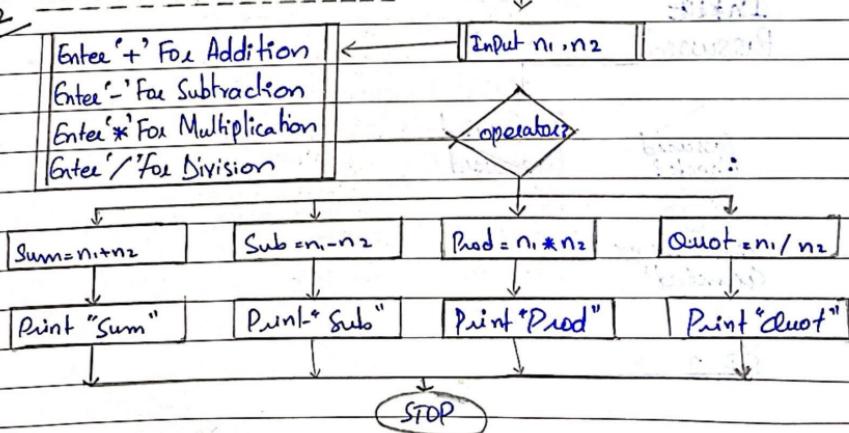
PF Lab-02 Assignments :-

Flowcharts:-

Q1

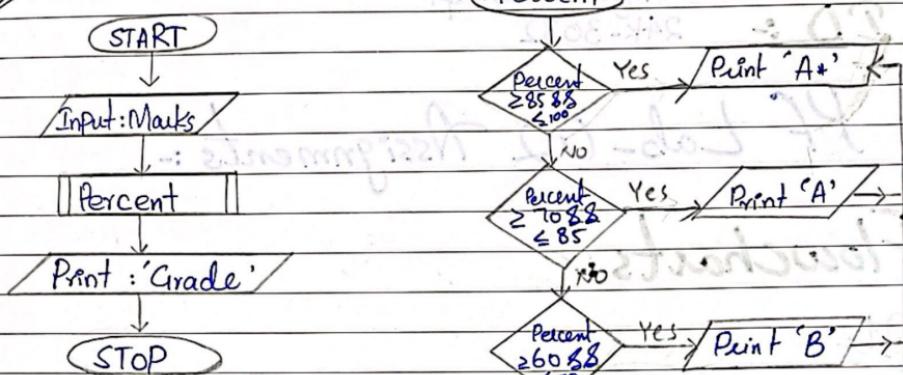


Q2

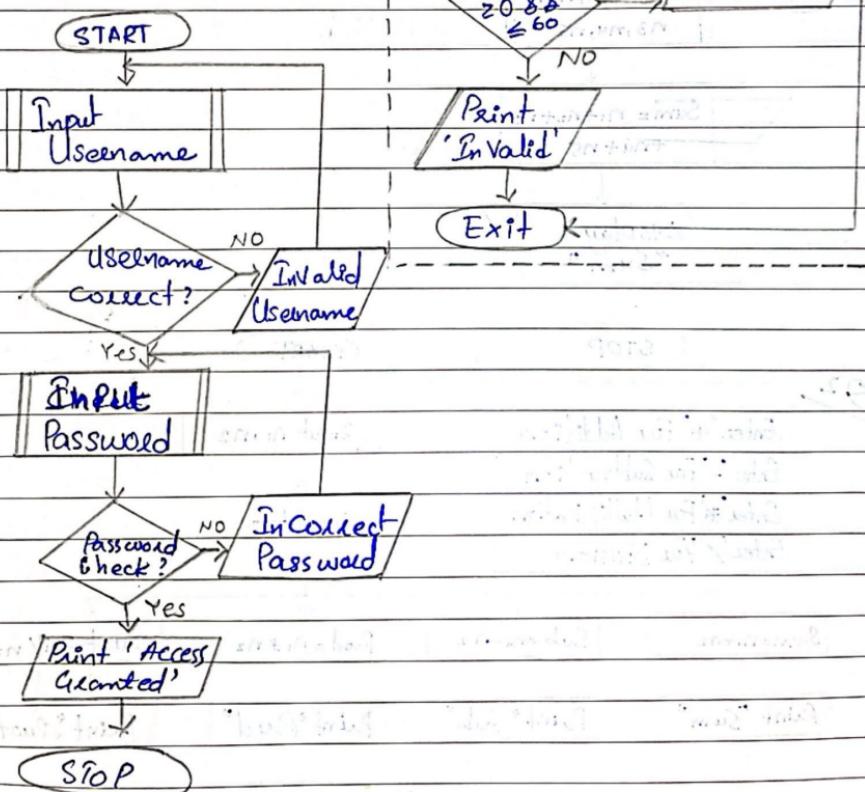


Date: _____

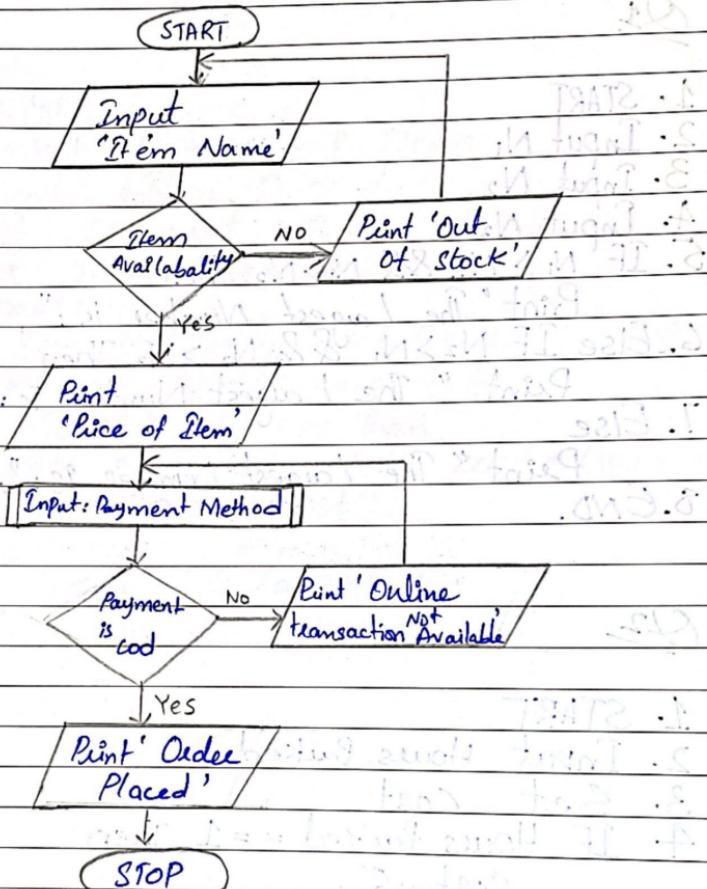
Q3



Q4



Q5



Pseudocode :-

Date: _____

Q1

1. START
2. Input N₁
3. Input N₂
4. Input N₃
5. IF N₁ > N₂ && N₁ > N₃ Then
 Print "The Largest Number is:", N₁
6. Else IF N₂ > N₁ && N₂ > N₃ Then
 Print "The Largest Number is:", N₂
7. Else
 Print "The Largest Number is:", N₃
8. END.

Q2

1. START
2. Input Hours Parked
3. Set Cost
4. IF Hours Parked == 1 Then
 Cost = 5
 Print "Your Fare is \$5", Cost
5. Else
 Set Cost = 5 + ((Hours Parked - 1) * 3)
 Print "Your fare is:", Cost.
6. END.

Q3

1. START
2. INPUT Number of Items
3. Input Item Price
4. Set Discount = 0
5. Set total cost = 0
6. Repeat
 - Set Total Cost = Total cost + item cost
 - Until all inputs are taken
 - IF Total Cost > 100 Then
 - Set New cost = Total cost * (10/100)
 - Print "New cost"
 - Else
 - Print "Total cost"
10. END

Q4

1. START
2. Input n
3. IF $n \% 2 == 0$ Then
 - Print "The Number is Even"
4. Else
 - Print "The Number is odd"
5. END

ALGORITHM:-

Date: _____

Q1

- Ask the User to enter no. of days they attended.
- Ask the User to enter total no. of days
- Set Percentage ($\text{no. of days attended} / \text{total no. of days} * 100$)
- If Percentage less than 75 then Display a Warning Letter for Students.
- Otherwise Display Appreciation Letter for the Students.

Q2

- Ask the User to enter no. of hours worked.
- Ask the User to enter Pay rate.
- Set gross pay to ($\text{no. of hours worked} * \text{Pay rate}$)
- Display gross pay for an employee.

Q3

- Ask the User to enter A₁
- Ask the User to enter A₂
- Ask the User to enter Operators.
i.e (Addition, Subtraction, Multiplication,
Division, Remainder).
- If User is putting addition operator, Then
- Set Sum to (A₁ + A₂)
- If User is Using subtraction operator, then
- Set Subtract to (A₁ - A₂)
- If User is applying Multiplication operator
- Set Product to (A₁ * A₂)
- If Using division operator, then
- Set Quotient to (A₁ / A₂)
- If Operator is remainder, then
- Set remainder to (A₁ % A₂)
- If None of these Conditions are true
then Ask the User to enter
Operators again.
- Display Calculator to the User.

Q4

- Ask the User to enter No. of Items
- Ask the User to enter price of each
Items.
- Set Cost to (Sum of all Items)
- Ask the Customer for tip.
- If Customer Give, then
Set new Cost to Sum of Cost & (Cost/100)*¹⁵
- And then Display New Cost for the
Customer
- Otherwise Display Cost for the Customer.

Q5

- Ask the User to Enter Marks (in the Form of percentage).
- If Percent is greater than 90 Less than equal to 100, then
- Display "Grade 'A'" For Students
- If Percent is greater than 75 and less than equal to 90, then
- Display "Grade 'B'" For Students
- If Percent is greater than 50 and less than equal to 75, then
- Display "Grade C" For Students
- If Percent is greater than 0 and less than equal to 50, then
- Display "Grade 'F'" For Students
- Otherwise Display "Invalid" For the User.