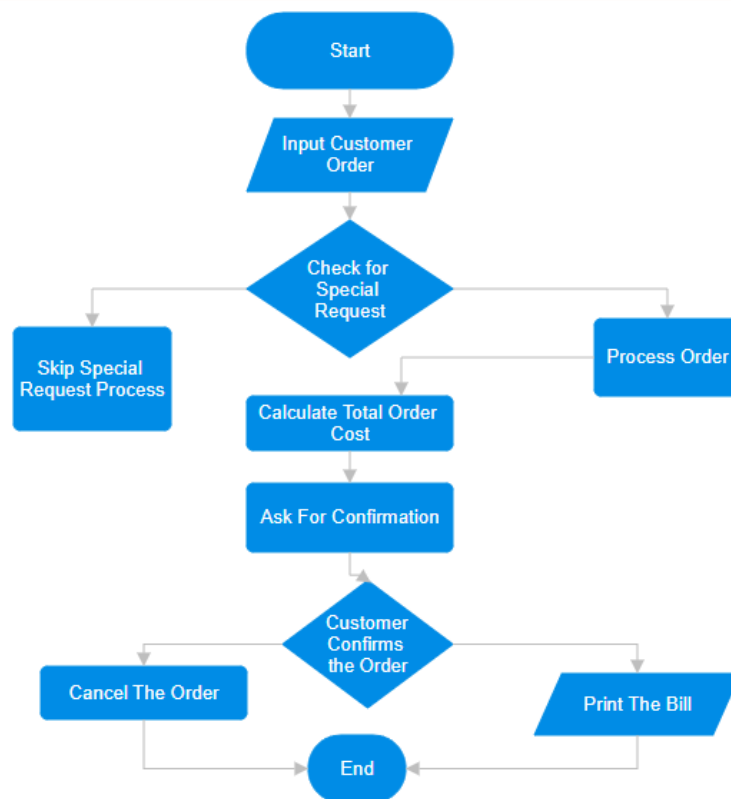# Programming Fundamentals LAB 2

Syeda Narmeen Zehra

24K-2565

BDS-1B

Question 1:

1)PSEUDOCODE

Start

Input customer's order

Output order delivered with bill

check for special requests

 Calculate cost

 Confirmation

End

Algorithm

start

1)Welcome the customer

2)Give the menu

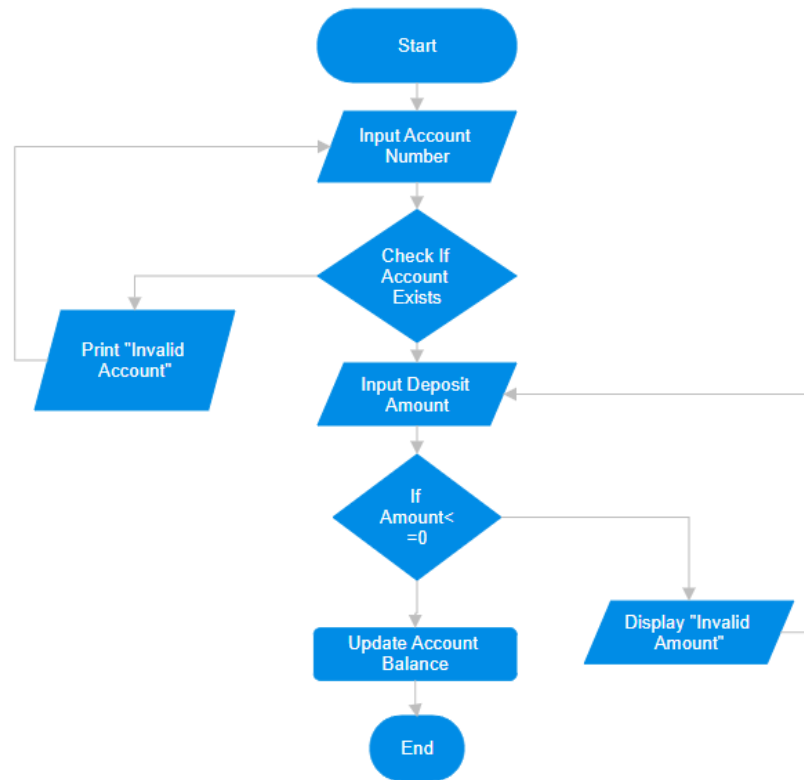3)Take the order

4)Ask for special requests

5)Confirm the order

6)Prepare the food

7)Serve the food

8)Give the bill

9)Take the amount

End

Flowchart elements (top to bottom):
- Start
- Input Account Number
- Check If Account Exists
- Print "Invalid Account"
- Input Deposit Amount
- If Amount<=0
- Display "Invalid Amount"
- Update Account Balance
- End

Pseudocode

Start

Input account number

Output Cash

Process :if

      Account exists

      Then print invalid amount

      Else

      Input deposit amount

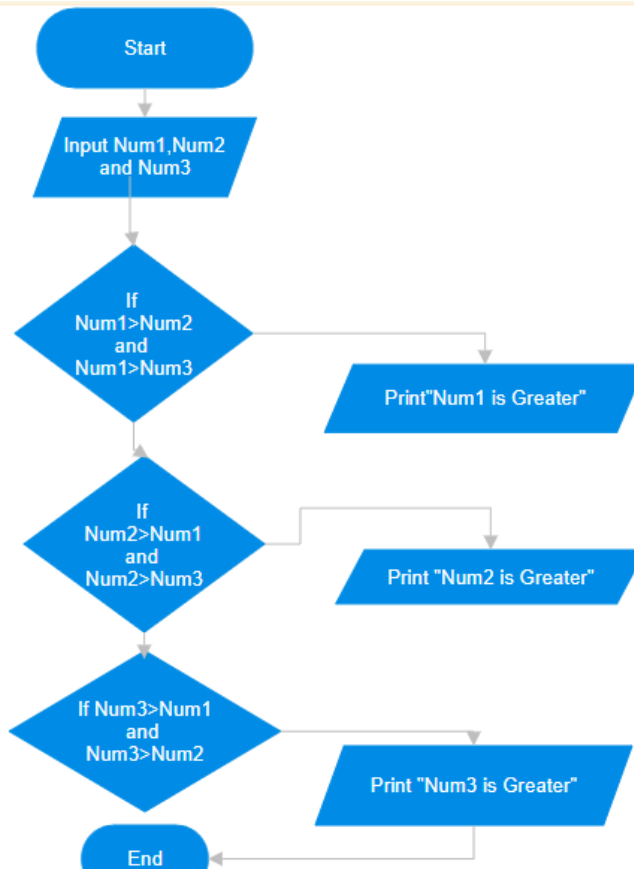If

Amount is zero

Then

Update account balance

End

Algorithm

1)Input account number

2)check if account exists or not
3)if yes then print invalid amount
4)else input deposit amount
5)If amount less than or equal to zero then print invalid amount
6)else update account balance

Question 3

Pseudocode

Start
Input Num 1,Num 2 , Num 3
If
Num1>Num 2 and Num1>Num 3
Then print
Num1 is greater
If
Num2>Num1 and Num2>Num 3

Then
Print Num 2 is greater
If
Num3>Num 1 and Num3>Num 2
Then
Print Num 3 is greater
End

ALGORITHM

1)Input number 1
2)If it is greater than num 2 and num 3 then print num 1 is greater
3)Input number 2
4)If it is greater than num 1 and num 3 then print num 2 is greater
5)Input number 3
6)If num 3 is greater than num 1 and num 2 then print num 3 is greater.

Question 4
Algorithm

Start
1. Assign number 1 to January
2. Assign number 2 to february
3. Assign number 3 to march
4. Assign number 4 to april
5. Assign number 5 to may
6. Assign number 6 to june
7. Assign number 7 to july
8. Assign number 8 to august
9. Assign number 9 to september
10. Assign number 10 to october
11. Assign number 11 to november
12. Assign number 12 to december

Question 5

Pseudocode

Start
Input manipulative operations from 0-9
Process
If
Operator is + then add numbers
Else
Operator is - then subtract numbers
End

Question 7
Algorithm

1. Input simple calculator program
2. Place + for addition
3. Place - for subtraction
4. Place * for multiplication
5. Place \ for division
6. Place % for percentage
7. Input numbers to check operations functioning properly

Question 9

Gitinore acts as a protection from overwhelming the repository with unnecessary files and exposing of confidential information. It ensures that the files not tracked by git remain untracked.

Question 10

Algorithm is a systematic and formal approach whereas pseudocode is an informal version of coding in programming language. Algorithm helps to simplify and understand the problem and pseudocode is the method od developing an algorithm.