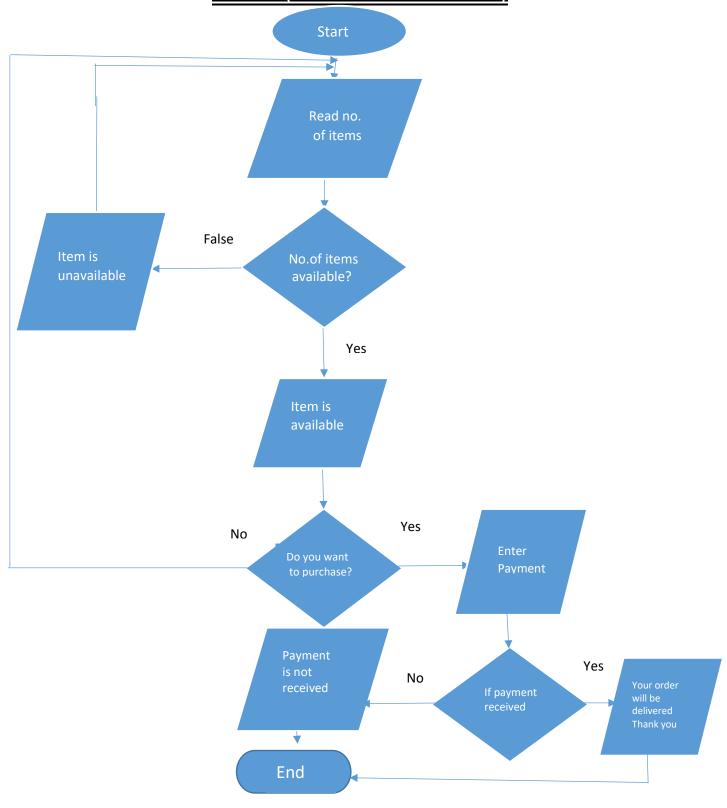
Name: Muhammad Umer Jamal Roll no.: 24k-0697; Section: BCS-1A

LAB 02 (TASK 01 FLOWCHART)



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End.

LAB 02(TASK 02 PSEUDOCODE

Problem 1: Start Input number =a Check if a% 5 = 0 then print "it is divisible" Else print "It is not divisible". End. Problem 2: Start Input character If "A" <character < "Z" Then print it is in upper case Else print "It is in lower case". End Problem 3: Start Input First number = a. Input Second number =b. Input a character "+" or "*" = c. If c = " + "Then print a+b. If c =" *" Then print a*b. End. Problem 4: Start Input number = a If a==0 Then Print, "It is 0" If a>0. Then print, "It is positive" Else: Print "It is negative" End. *Problem 5:* Start Input age = a If 13<a<19 Then Print "You are a teenager". Else: " Print You are not a teenager".

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LAB 02 (TASK 03 ALGORITHMS)

Problem 1:

Step1: Input Year = a

Step2: If remainder of a by 400 is zero print "It is a leap year".

Step3: If remainder of a by 4 is zero then check remainder of a by 100 is not zero

then print "It is a leap year. Else print "It is not a leap year.

Step4: End

Problem 2:

Step1: Input string

Step2: Create an empty dictionary from "A"to"Z".

Step3: Check the first character of string.

Step4: If the character of string is already appeared in the dictionary increment

one to its counter.

Step5: Check the next character and perform step 4 until null character is

detected. Step6: End.

Problem 3:

Step1: Input base and power.

Step2: Set answer = 1

Step3: Multiply answer and base

Step4: Decrement power

Step5: If power is not equal to zero perform step 3

Step5: End

Problem 4:

Step1: Input radius

Step2: Calculate area $= \pi r^2$

Step3: Print area.

Step4: End.

Problem 5:

Step1: Input a, b and c

Step2: Arrange them in ascending order.

Step3: Median = (3+1/2)th term

Step4: Print median

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Step4: End.	
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