

**Subject:**

**NAME: Bhoomika Rani**

**Roll number: 24k-0960**

**Section:**

**Course instructor:**

TASK#1

Find if the number is multiple of 5

START

INPUT:

A Number is x

IF: A number X has 5 or 0 in its unit place

THEN:

PRINT: “TRUE”

ELSE

PRINT: “FALSE’’

END

TASK#2

START

Input :character

IF: character is greater than or equal to ‘A’ AND character less than or equal to ‘Z’

THEN :

PRINT: “Character is uppercase”

ELSE

IF: character is greater than or equal to ‘a’ AND character is less than or equal to ‘z’

THEN:

PRINT: “Character is lowercase’’

ELSE

PRINT: “Character is not a letter’’

END

TASK#3

START

PRINT “enter the first number:’’

INPUT number1

PRINT “enter an operator (+ or \*):’’

INPUT Operator

PRINT “Enter the second number:”

INPUT number2

IF Operator == “+”

THEN:

Result=number1+number2

ELSE

IF: Operator== “\*”

Result = number1\*number2

ELSE

PRINT “Invalid operator.Please enter either + or \*.’’

EXIT

END

TASK#4

CHECK WETHER A GIVEN NUMBER IS +,-,0.

START

PRINT “enter the first number:’’

INPUT number1

IF NUMBER1>0

THEN

PRINT “THE NUMBER IS POSTIVE:”

ELSE

IF NUMBER<0

PRINT “THE NUMBER IS NEGATIVE:”

ELSE

PRINT “THE NUMBER IS ZERO:”

Task#5

START

INPUT: enter person age

IF: the age is greater than or equal to 13 and less than or equal to 19

THEN:

PRINT: "Yes, the person is teenager"

ELSE

"NO, the person is not a teenager"

END

**Algorithm**

TASK#1

S1:Start the algorithm

S2:input the year

S3:Check if the year has 366 days if yes then goto S4 if no,then goto S9 (not a leap year)

S4:Check if the year is divisible by 4 if yes then go to S5 if no then go to S9 (not a leap year)

S5:Check if the year is divisible by 100 if yes go to S6 if no then go to S9 (not a leap year)

S6:Check if the year is divisible by 400 if yes go to S8 (leap year) if no then go to S9 (not a leap year)

S7:Print: “not a leap year”

S8:Print: “leap year”

S9: Stop the algorithm

Task#2

1. Start
2. Enter string
3. Initialize an empty dictionary
4. For each character in the string:

If character is already in the dictionary,increament its count by 1

.Else if character is not in the dictionary, add it with a count of 1

End if :

5.Print the dictionary

6.STOP

Task #3

1. START
2. ENTER 1
3. ENTER 2
4. SET TO X^Y
5. 2^3=8
6. Display 8
7. END

Task#4

1. START
2. “Enter pi
3. Enter r(radius)
4. SET Area to (pi \* radius)
5. Display area
6. END

Task#5

1. START
2. Enter 2,6,8
3. Set to median ((n+1)/2)th
4. Set to median ((3+1)/2)th
5. Set to median (4/2)th
6. Set to median (2)th
7. 2th term is 6
8. Display 6
9. END

PF Lab 2

24K-0960

CHECK ORDER DETAILS

AND ORDER PAYMENT

IF

ORDER

IS

AVAILABLE

IFIIIIIIIIIIISTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

F

RECEIVE PAYMENT

T

PRINT

ORDER IS CONFIRMED

PF Lab 2

24K-0960

CHECK ORDER DETAILS

AND ORDER PAYMENT

IF

ORDER

IS

AVAILABLE

IFIIIIIIIIIIISTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

F

RECEIVE PAYMENT

T

PRINT

ORDER IS CONFIRMED