***LAB TASKS OF PSEUDOCODE:***

TASK 1:- Find if the number is multiple of 5?

1. START
2. INPUT: number 1=a
3. IF: a% 5==0 THEN
4. PRINT: “a is multiple of 5”
5. ELSE:
6. PRINT: “a is not a multiple of 5”
7. END

TASK 2:- Check whether a given number is positive, negative, or zero

1. START
2. INPUT: number1 =a
3. IF: a>0
4. PRINT “the number is positive”
5. ELSE
6. IF: a<0
7. PRINT “the number is negative”
8. ELSE
9. PRINT “the number is zero”
10. END

TASK 3:- Check if a character is uppercase or lowercase.

1. START
2. INPUT: character
3. IF: A<=character<=Z THEN
4. PRINT “the character is in uppercase”
5. ELSE:
6. IF: the character is between a to z THEN
7. PRINT “the character is in lowercase”
8. ELSE:
9. PRINT “the character is not an alphabet”
10. END

TASK 4:- Determine if a person is a teenager

(Between 13 and 19 years old).

1. START
2. INPUT: age=a
3. IF: 13<=a<=19 THEN
4. PRINT “The person is a teenager”
5. ELSE:
6. PRINT “The person is not a teenager”
7. END

TASK 5:- Create a small calculator which only does ‘+’ or ‘\*’ operations.

1. START
2. INPUT: number1, number2, operation
3. IF: operation = +
4. THEN: number1+number2
5. ELSE:
6. IF: operation= \*
7. THEN: number1\*number2
8. ELSE:
9. PRINT “invalid operation”
10. END.

***LAB TASKS FOR ALGORITHMS***

TASK 1:- Implement algorithm to determine if a given year is a leap year.