LAB TASKS OF PSEUDOCODE:

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

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.