ASSIGNMENT

1. **Write algorithm / pseudocode to calculate area and perimeter of a rectangle.**

Solution

1. **Perimeter of a rectangle**

Algorithm

Step 1: Start

Step 2: Accept the length of rectangle L

Step 3: Accept the width of rectangle W

Step 4: Perimeter= 2\*(L+W)

Step 5: Print the results

Step 6: Stop

Pseudocode

Begin the program

Enter the length and width L, W

Find perimeter using formula p=2(L+W)

Output the perimeter

End the program

1. **Area of rectangle**

Algorithm:

Step 1: Start

Step 2: Accept the length of rectangle L

Step 3: Accept the width of rectangle W

Step 4: Area = L\*W

Step 5: Print area

Step 6: Stop

Pseudocode

Begin

Enter length and width of the rectangle L,W

Find area using Area=L\*W

Output the area

End

1. **Write algorithm / pseudocode /flowchart to find area of a circle.**

Solution

Algorithm:

Step 1: start

Step 2: input radius

Step 3: let pie=3.14

Step 4: Area= pie\*radius\*radius

Step 5: print area

Step 6: stop

Pseudocode:

Begin the program

Number r, area

Input r

Find area using area=3.14\*r\*r

Output area

End

**Flowchart**

Print Area of circle

Read radius, r

Area=pi\*r\*r

Set pi=3.142