

Assignment No.2

This is assignment Number 1 Q2. Area of rectangle and Circle

Code:-

```
#include<stdio.h>

void main(){
    int l=10,b=20,r=21;
    if(l>0||b>0){
        int P=2*(l+b);
        int A=b*l;
        printf("Area of Rectangle = %d and Perimeter = %d\n",A,P);
    }
    else{
        printf("Enter a Length and Breadth be a Non 0 and Positive value ");
    }
    if(r>0){
        int AC=2*(22/7)*r;
        int C=2*r;
        printf("Area of Circle = %d and Perimeter = %d",AC,C);
    }
    else{
        printf("Enter a Radius be a Non 0 and Positive value ");
    }
}
```

Algorithm:-

Step1:- Start

Step2:- Initialize length=10,breadth=20,radius=21

Step3:- Check values of length and breadth are positive
or non 0 if not show message value be >0

Step4:- if condition is true the find the perimeter($2*(l+b)$)
Area($l*b$)

Step5:- print the area and perimeter of Rectangle

Step6:- Check values of Radius positive or non 0

Step7:- if condition is true the find
Circumference($2*Pi+r$) Area($2*r$)

Step5:- print the area and Circumference of Circle.

Step5:- End

Flowchart :-

