**MODULE : DEVELOPMENT SOFTWARE 4**

**STUDENT NUMBER : 218111339**

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PYTHON

def length():  
 l = int(input("enter length of a rectangle:"))  
 return l  
  
  
def breath():  
 b = int(input("enter breath of a rectangle:"))  
 return b  
  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 le = length()  
 br = breath()  
 area = le\*br  
 perimeter = 2\*(le+br)  
 print("The area of a rectangle is:",area)  
 print("the perimeter of a rectangle is:",perimeter)

**C#**

using System;

namespace Rectangle

{

class Program

{

static int input\_length()

{

Console.WriteLine("enter the length of a rectangle:");

int length = Convert.ToInt32(Console.ReadLine());

return length;

}

static int input\_breath()

{

Console.WriteLine("enter the breath of a rectangle:");

int breath = Convert.ToInt32(Console.ReadLine());

return breath;

}

static int calc\_Area(int length,int breath)

{

int area = (length\*breath);

return area;

}

static int calc\_Breath(int length,int breath)

{

int perimeter = 2\*(length+breath);

return perimeter;

}

static void Main(string[] args)

{

int l = input\_length();

int b = input\_breath();

int a = calc\_Area(l, b);

int p = calc\_Breath(l, b);

Console.WriteLine("the area of the rectangle is:" + a);

Console.WriteLine("the perimeter of the rectangle is:" + p);

}

}

}

**JAVA**

import java.util.Scanner;

public class Rectangle

{

static int Length(){

System.out.println("enter the length of a rectangle:");

Scanner console = new Scanner(System.in);

int length = console.nextInt();

return length;

}

static int Breath(){

System.out.println("enter the breath of a rectangle:");

Scanner console = new Scanner(System.in);

int breath = console.nextInt();

return breath;

}

public static void main(String[] args) {

int l = Length();

int b = Breath();

int a = (l\*b);

int p = 2\*(l+b);

System.out.println("The area of a rectangle is:"+a);

System.out.println("The perimeter of a rectangle is:"+p);

}

}