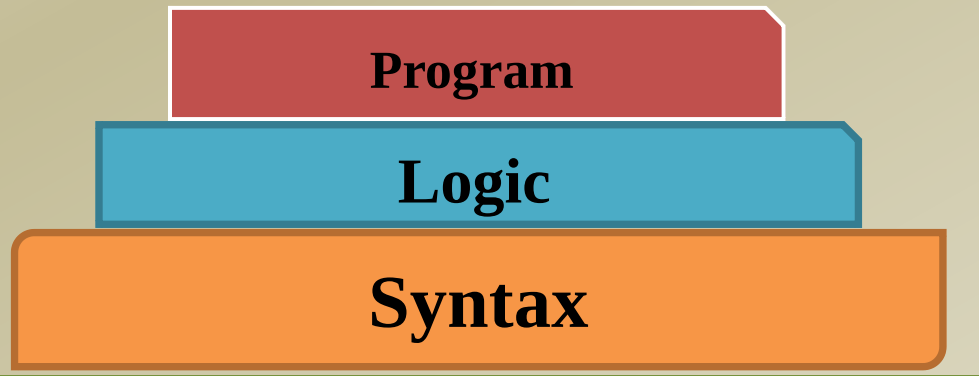
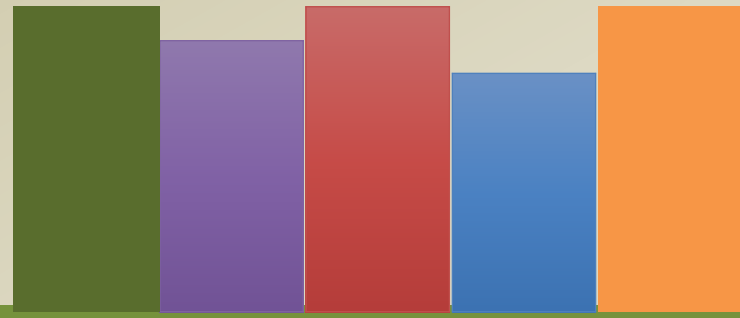
Code at Random (OPC) PVT. LTD.

Return Type Programming





Some Programs To Practice

- Write a function **int smallest(int a, int b, int c)** to return the smallest number among a, b and c, and then call it from the main() function by taking the values of a, b and c from the user and it will print the value of smallest number.

- Write a function **int evendigits(int n)** to return the sum of even digits to the main( ) function, and then call it from the main() function by taking the value of n from the user and print sum of even digits.

- Write a function **int lcm(int a, int b)** to return the LCM of two numbers, and then call it from the main() function by taking the value of a and b from the user, and print the value of its LCM.

- Write a function **double series(int n)** to return the sum of series given below up to n terms, and then call it from the main() function by taking the value of n from the user, and print the sum.

  S = 1 + (1-2) + (1-2+3) + (1-2+3-4) + … *n terms*

- Write a function **boolean isPalin(int n)** to check whether the number n is palindrome or not, and then call it from the main() function by taking the value of n from the user and use the Boolean value to print whether the number is palindrome or not.

Program for int smallest( )

```
import java.util.*;
class program1 {
    int smallest (int a, int b, int c)  {
        if(a<b&&a<c)
            return a;
        else if(b<a&&b<c)
            return b;
         else
            return c;
      }
    public static void main(String Args[])  {
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter three numbers");
        int x,y,z;
        x= sc.nextInt();
        y= sc.nextInt();
        z= sc.nextInt();
        program1 ob= new program1();
        int sm= ob.smallest(x,y,z);
        System.out.println(sm);
    }
}
```

Program for int evendigits( )

```
import java.util.*;
class program2 {
    int evendigits (int a){
      int s=0;
     while(a>0){
      int d = a%10;
      if (d%2==0)
        s=s+d;
      a/=10;
     }
   return s;
  }
    public static void main(String Args[])  {
        Scanner sc= new Scanner(System.in);
         int x;
        x= sc.nextInt();
         program2 ob= new program2();
        int sum = ob.evendigits(x);
       System.out.println(sum);
    }
}
```

Program for int lcm( )

```
import java.util.*;
class program3 {
    int lcm(int a, int b) {
       int t;
       if(a<b){
          t=a;
          a=b;
          b=t;
       }
       int m=a;
       while(m%b!=0)
            m=m+a;
       return m;
     }
    public static void main(String Args[])  {
        Scanner sc= new Scanner(System.in);
        int x;
        x= sc.nextInt( );
        y= sc.nextInt
        program3 ob= new program3();
        int l= ob.lcm(x,y);
      System.out.println(l);
}
```

Program for double series( )

```
import java.util.*;
class program5 {
    double series(int n)  {
         int f=0;
          double s=0.0;
         for(int i=1; i<=n; i++) {
            for(int j=1;j<=i;j++){
                f = f+(j)*sign;
                sign= sign * -1;
           }
           s=s+f;
       }
      return s;
    }
    public static void main(String Args[])  {
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter the  number");
        int n;
        n= sc.nextInt();
        program5 ob= new program5();
        double s = ob.series(n);
        System.out.println(s);
}
```

Program for boolean isPalin( )

```
import java.util.*;
class program4 {
    boolean isPalin(int n) {
       int t , r = 0 , d;
          t=n;
        while(t > 0){
         d =t;
         r=r*10+d;
         t=t/10;
       }
       if (r= =n)
         return true;
       else
          return false;
     }
    public static void main(String Args[])  {
        Scanner sc= new Scanner(System.in);
        int n;
        n= sc.nextInt( );
        program4 ob= new program4();
       boolean p = ob.isPalin(n);
if (p)
{
  System.out.println(“Palindrome Number”);
}
else
{
  System.out.println(“Not a Palindrome Number”);
}
}
```