Looping Programs

1. Write a program to print the Fibonacci series[0 1 1 2 3 5].

import java.util.Scanner;

public class FibonacciSeriesNew

{

public static void main (String args[])

{

int a=0;

int b=1;

System.out.println( +a);

System.out.println( +b);

int c;

for(int i=0;i<10;i++)

{

c=a+b;

System.out.println( +c);

a=b;

b=c;

}

}}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Write a program to find the reverse of the number.

import java.util.Scanner;

public class Reverse

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number");

int a = sc.nextInt();

int r;

int Rev=0;

while(a>0){

r=a%10;

Rev=Rev\*10+r;

a=a/10;

}

System.out.println("Reverse: " +Rev);

}}

1. Write a program to check whether the given number is Palindrome/Not.

import java.util.Scanner;

public class Paliondrome

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number");

int a = sc.nextInt();

int temp=a;

int r;

int rev=0;

while(temp!=0)

{

r=temp%10;

rev=rev\*10+r;

temp=temp/10;

}

if(rev==a){

System.out.println("Given number is a paliondrome");

}

else

{System.out.println("Given number is not a paliondrome");}

}}

1. Write a program to check whether the given number is Armstrong/Not.

import java.util.Scanner;

public class ArmstrongNew

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the 3 digit number");

int a = sc.nextInt();

int temp=a;

int sum=0;

int rem=0;

int res=0;

while(temp>0)

{

rem=temp%10;

res=(int) Math.pow(rem,3);

sum=sum+res;

temp=temp/10;

}

if(a==sum)

{

System.out.println("Given number is an Armstrong");

}

else

{

System.out.println("Given number is not an Armstrong");

}}}

1. Write a program to check whether the given number is Prime/Not.

import java.util.Scanner;

public class Primeornot

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number");

int a = sc.nextInt();

int count=0;

for(int i=1;i<a;i++)

{

if(a%i==0){

count++;

}}

if(count>2)

{

System.out.println("Given number is not a prime");

}

else

{System.out.println("Given number is a prime");}}

}

1. Write a program to find the count of even numbers and odd numbers from 10 to 20.

import java.util.Scanner;

public class Countofoddandeven

{

public static void main (String args[])

{

int odd=0;

int even=0;

for(int i=10;i<20;i++)

{

if(i%2==0)

{

odd++;

}

else

{even++;}}

System.out.println("odd numbers are :" +odd);

System.out.println("even numbers are :" +even);

}}

1. Write a program to find the sum of even numbers and odd numbers from 10 to 20.

import java.util.Scanner;

public class Sumofoddandeven

{

public static void main (String args[])

{

int oddsum=0;

int evensum=0;

for(int i=10;i<20;i++)

{

if(i%2==0)

{

evensum=evensum+i;

}

else

{oddsum=oddsum+i;}}

System.out.println("odd numbers sum: :" +oddsum);

System.out.println("even numbers sum: :" +evensum);

}}