***h JAVA PROGRAM***

**//program1 perfect number or not.**

import java.util.Scanner;

class pp1

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);,

System.out.print("Enter value:");

int a=scn.nextInt();

print(a);

}

public static void print(int a)

{

int sum=0;

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

{

if(a%i==0)

{

sum=sum+i;

}

}

System.out.println(a);

System.out.println(sum);

if(sum==a)

{

System.out.println("It is a perfect no");

}

else

{

System.out.println("It is not a perfect no");

}

}

}

**//program2 prime number or not.**

import java.util.Scanner;

class pp2

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the value:");

int a=scn.nextInt();

print(a);

}

public static void print(int a)

{

int count=0;

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

{

if(a%i==0)

{

count++;

}

}

System.out.println(count);

if(count==2)

{

System.out.println("given number is prime number");

}

else

{

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

}

}

}

**//program3 factorial.**

import java.util.Scanner;

class pp3

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the value:");

int a=scn.nextInt();

print(a);

}

public static void print(int a)

{

int fact=1;

while(a>0)

{

fact=fact\*a;

a--;

}

System.out.println(fact);

}

}

**//program4 Fibonacci series.**

import java.util.Scanner;

class pp4

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter length");

int length=scn.nextInt();

print(length);

}

public static void print(int length)

{

int f1=0;

int f2=1;

int f3=f1+f2;

while(length>0)

{

System.out.println(f1);

f1=f2;

f2=f3;

f3=f1+f2;

length--;

}

}

}

**//program5 number palindrome.**

import java.util.Scanner;

class pp5

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the value:");

int a=scn.nextInt();

print(a);

}

public static void print(int a)

{

int rev=0;

int rem=0;

int b=a;

while(a>0)

{

rem=a%10;

rev=rev\*10+rem;

a=a/10;

}

System.out.println(rev);

System.out.println(b);

if(b==rev)

{

System.out.println("palindrome");

}

else

{

System.out.println("not palindrome");

}

}

}

**//program6 print char by char in a string.**

import java.util.Scanner;

class pp6

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the string value:");

String s1=scn.nextLine();

print(s1);

}

public static void print(String s1)

{

char c=' ';

for(int i=0;i<=s1.length()-1;i++)

{

c=s1.charAt(i);

System.out.println(c);

}

}

}

**//program7 print char by char in a string in reverse order.**

import java.util.Scanner;

class pp7

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the string value:");

String s=scn.nextLine();

print(s);

}

public static void print(String s)

{

char c=' ';

for(int i=s.length()-1;i>=0;i--)

{

c=s.charAt(i);

System.out.println(c);

}

}

}

**//program8 string palindrome.**

import java.util.Scanner;

class pp8

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the string value:");

String s1=scn.nextLine();

print(s1);

}

public static void print(String s1)

{

char c=' ';

String s2="";

for(int i=s1.length()-1;i>=0;i--)

{

c=s1.charAt(i);

s2=s2+c;

}

System.out.println(s1);

System.out.println(s2);

if(s1.equals(s2))

{

System.out.println("palindrome");

}

else

{

System.out.println("notpalindrome");

}

}

}

**//program9 print all even number in array.**

import java.util.Scanner;

class pp9

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the size");

int size=scn.nextInt();

int[] a=new int[size];

System.out.print("Enter the value:");

for(int i=0;i<=size-1;i++)

{

a[i]=scn.nextInt();

}

System.out.println("--result--");

for(int i=0;i<=size-1;i++)

{

if(a[i]%2==0)

{

System.out.println(a[i]);

}

}

}

}

**// program10 print all odd number in array.**

import java.util.Scanner;

class pp10

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter the value:");

int size=scn.nextInt();

int[] a=new int[size];

System.out.println("Enter value:");

for(int i=0;i<=size-1;i++)

{

a[i]=scn.nextInt();

}

System.out.println("--result--");

for(int i=0;i<=size-1;i++)

{

if(a[i]%2!=0)

{

System.out.println(a[i]);

}

}

}

}

**// program11 print sum of all even number in array**.

import java.util.Scanner;

class pp11

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter size:");

int size=scn.nextInt();

int[] a=new int[size];

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

for(int i=0;i<=size-1;i++)

{

a[i]=scn.nextInt();

}

System.out.println("--result--");

int sum=0;

for(int i=0;i<=size-1;i++)

{

if(a[i]%2==0)

{

sum+=a[i];

}

}

System.out.println(sum);

}

}

**// program12 print sum of all odd number in array.**

import java.util.Scanner;

class pp12

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

System.out.print("Enter size:");

int size=scn.nextInt();

int[] a=new int[size];

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

for(int i=0;i<=size-1;i++)

{

a[i]=scn.nextInt();

}

System.out.println("--result--");

int sum=0;

for(int i=0;i<=size-1;i++)

{

if(a[i]%2!=0)

{

sum+=a[i];

}

}

System.out.println(sum);

}

}

**//program13 find position of a given value in an array.**

import java.util.Scanner;

class pp13

{

public static void main(String[] args)

{

Scanner scn=new Scanner(System.in);

int[] a={10,20,30,40,50,60,70,80,90};

System.out.print("Enter value:");

int b=scn.nextInt();

for(int i=0;i<=a.length-1;i++)

{

if(a[i]==b)

{

System.out.println(b+" value found the position in "+i);

}

}

}

}