

//java program to check whether the number is even or odd

import java.util.\*;

class Checkeven

{

    public static void main(String args[])throws Exception

    {

        int a;

        Scanner sc=new Scanner(System.in);

        System.out.print("Enter a number:");

        a=sc.nextInt();

        if (a%2==0)

        {

            System.out.print("Even number");

        }

        else

        {

            System.out.print("Odd number");

        }

    }

}

```
//java program to print difference between two numbers

import java.util.*;

class Diff
{
    public static void main(String args[])throws Exception
    {
        int a,b,c;

        Scanner sc=new Scanner(System.in);

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

        a=sc.nextInt();

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

        b=sc.nextInt();

        c=a-b;

        System.out.print("Differance is:"+c);

    }
}
```

```
//JAVA PROGRAM TO PRINT THE FACTORIAL OF A GIVEN NUMBER
```

```
import java.util.*;
```

```
class Fact
```

```
{
```

```
    public static void main(String args[])throws Exception
```

```
    {
```

```
        int n,i,fact;
```

```
        Scanner sc=new Scanner(System.in);
```

```
        System.out.print("Enter the number:");
```

```
        n=sc.nextInt();
```

```
        fact=1;
```

```
        for(i=1;i<=n;i=i+1)
```

```
        {
```

```
            fact=fact*i;
```

```
        }
```

```
        System.out.print("Factorial of "+n+" is: "+fact);
```

```
    }
```

```
}
```

//java program to print multiple lines

```
import java.util.*;
```

```
class Fruit
```

```
{
```

```
    public static void main(String args[])throws Exception
```

```
    {
```

```
        System.out.print("\nApple is Red");
```

```
        System.out.print("\nBanana is Yellow");
```

```
        System.out.print("\nGauva is Green");
```

```
    }
```

```
}
```

//java program to find product of two numbers

```
import java.util.*;
```

```
class Product
```

```
{
```

```
    public static void main(String args[])throws Exception
```

```
    {
```

```
        int a,b,c;
```

```
        Scanner sc=new Scanner(System.in);
```

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

```
        a=sc.nextInt();
```

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

```
        b=sc.nextInt();
```

```
        c=a*b;

        System.out.print("Product is:"+c);

    }

}
```

//java program to check whether the given number is prime or not

```
import java.util.*;
```

```
class Primecheck
```

```
{

    public static void main(String args[])throws Exception

    {

        int n,i,fc;

        Scanner sc=new Scanner(System.in);

        System.out.print("Enter a number:");

        n=sc.nextInt();

        fc=0;

        for(i=1;i<=n;i++)

        {

            if(n%i==0)

            {

                fc=fc+1;

            }

        }

        if (fc==2)
```

```

        {
            System.out.print(n+" is Prime");
        }
    else
    {
        System.out.print(n+" is not Prime");
    }
}
}

```

//java program to print prime numbers

```
import java.util.*;
```

```
class Primeprint
```

```

{
    public static void main(String args[])throws Exception
    {
        int i,n,k,fc;
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter n value:");
        n=sc.nextInt();
        System.out.print("Prime numbers are:");
        fc=0;
        for (k=1;k<=n;k++)
        {

```

```

        for(i=1,fc=0;i<=n;i++)
        {
            if(k%i==0)
            {
                fc=fc+1;
            }
        }
        if (fc==2)
        {
            System.out.print(k+" ");
        }
    }
}

```

//java program to print ratio between two numbers

```
import java.util.*;
```

```
class Ratio
```

```

{
    public static void main(String args[])throws Exception
    {
        int a,b,c;
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter first value:");
    }
}

```

```
        a=sc.nextInt();

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

        b=sc.nextInt();

        c=a/b;

        System.out.print("Ratio is:"+c);

    }

}
```

//java program to read a double and print it on screen

```
import java.util.*;

class Read_double

{

    public static void main(String args[])throws Exception

    {

        double n;

        Scanner sc=new Scanner(System.in);

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

        n=sc.nextDouble();

        System.out.print("Entered Double is:"+n);

    }

}
```



```
//java program to read a float and print it on screen

import java.util.*;

class Readfloat
{
    public static void main(String args[])throws Exception
    {
        float n;

        Scanner sc=new Scanner(System.in);

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

        n=sc.nextFloat();

        System.out.print("Entered Float is:"+n);
    }
}
```

```
//java program to read a integer and print it on screen

import java.util.*;

class Readint
{
    public static void main(String args[])throws Exception
    {
        int n;

        Scanner sc=new Scanner(System.in);

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

        n=sc.nextInt();
    }
}
```

```
        System.out.print("Entered Integer is:"+n);  
    }  
}
```

//java program to read a string and print it on screen

```
import java.util.*;  
  
class Readstring  
{  
    public static void main(String args[])throws Exception  
    {  
        String n;  
        Scanner sc=new Scanner(System.in);  
        System.out.print("Enter a Striing value:");  
        n=sc.nextLine();  
        System.out.print("Entered String is:"+n);  
    }  
}
```

//java program to print sum of two numbers

```
import java.util.*;  
  
class Sum  
{  
    public static void main(String args[])throws Exception  
    {
```

```
        int a,b,c;

        Scanner sc=new Scanner(System.in);

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

        a=sc.nextInt();

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

        b=sc.nextInt();

        c=a+b;

        System.out.print("Sum is:"+c);

    }

}
```

//Java program to create multiple thread by extending thread class

```
class A extends Thread

{

    public void run()

    {

        for(int i=1;i<=5;i++)

            System.out.print("\ni="+i);

    }

}
```

```
class B extends Thread

{
```

```
public void run()
{
    for(int j=1;j<=5;j++)
        System.out.print("\nj="+j);
}
}
```

```
class C extends Thread
{
    public void run()
    {
        for(int k=1;k<=5;k++)
            System.out.print("\nk="+k);
    }
}
```

```
class Threaddemo1
{
    public static void main(String args[]) throws Exception
    {
        A a = new A();
        B b = new B();
        C c = new C();
        a.start();
    }
}
```

```
b.start();
```

```
c.start();
```

```
}
```

```
}
```