

**1.**

```
import java.util.Scanner; public
class Weeks
{   public static void main(String
args[])
    {
        int m, year, week, day;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the number of days:");
m = s.nextInt();    year = m / 365;    m = m %
365;
        System.out.println("No. of years:"+year);
week = m / 7;    m = m % 7;
        System.out.println("No. of weeks:"+week);
day = m;
        System.out.println("No. of days:"+day);
    }
}
```

**OUTPUT:**

```
Select Command Prompt
C:\Users\acer\Desktop>javac Weeks.java

C:\Users\acer\Desktop>java Weeks
Enter the number of days:756
No. of years:2
No. of weeks:3
No. of days:5

C:\Users\acer\Desktop>javac Weeks.java

C:\Users\acer\Desktop>java Weeks
Enter the number of days:38
No. of years:0
No. of weeks:5
No. of days:3

C:\Users\acer\Desktop>java Weeks
Enter the number of days:3.6
Exception in thread "main" java.util.InputMismatchException
    at java.base/java.util.Scanner.throwFor(Scanner.java:943)
    at java.base/java.util.Scanner.next(Scanner.java:1598)
    at java.base/java.util.Scanner.nextInt(Scanner.java:2263)
    at java.base/java.util.Scanner.nextInt(Scanner.java:2217)
    at Weeks.main(Weeks.java:9)

C:\Users\acer\Desktop>java Weeks
Enter the number of days:0
No. of years:0
No. of weeks:0
No. of days:0
```

```
Select Command Prompt
C:\Users\acer\Desktop>java Weeks
Enter the number of days:-365
No. of years:-1
No. of weeks:0
No. of days:0

C:\Users\acer\Desktop>java Weeks
Enter the number of days:-45
No. of years:0
No. of weeks:-6
No. of days:-3

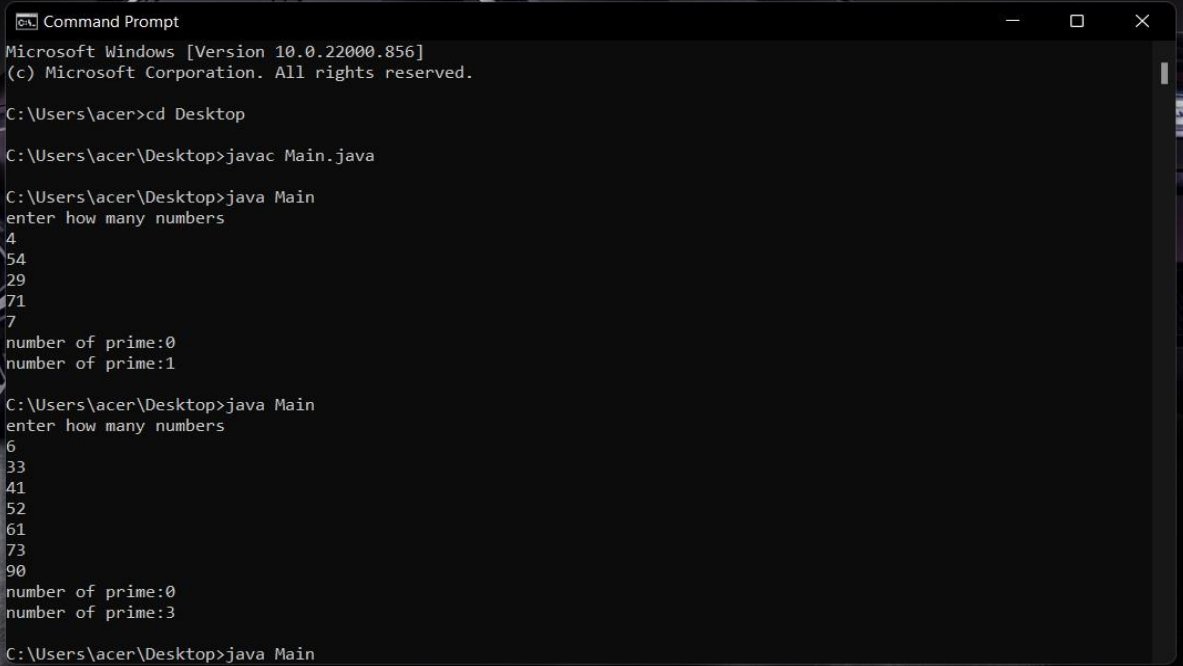
C:\Users\acer\Desktop>cd Desktop_
```

2.

```
import java.util.*; class Main{
public static void main(String args[])
{
    int i,j,m=0,flag=0,prime=0,composite=0,n,count;
    Scanner s= new Scanner(System.in);
    System.out.println("enter how many numbers");
    count=s.nextInt();  for(j=0;j<count;j++)
    {    n=s.nextInt();
    m=n/2;
    if(n==0||n==1){
    prime=prime+1 ;
    }
    else
    {
        for(i=2;i<=m;i++)
        {
            if(n%i==0){
            composite=composite+1 ;
            flag=1;
            break;
            }
        }
        if(flag==0)
        {
            prime=prime+1;
        }
    }
}
```

```
}  
System.out.println("number of prime:"+prime);  
System.out.println("number of prime:"+composite);  
}  
}
```

## OUTPUT:



```
Command Prompt  
Microsoft Windows [Version 10.0.22000.856]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\acer>cd Desktop  
  
C:\Users\acer\Desktop>javac Main.java  
  
C:\Users\acer\Desktop>java Main  
enter how many numbers  
4  
54  
29  
71  
7  
number of prime:0  
number of prime:1  
  
C:\Users\acer\Desktop>java Main  
enter how many numbers  
6  
33  
41  
52  
61  
73  
90  
number of prime:0  
number of prime:3  
  
C:\Users\acer\Desktop>java Main
```

```
Command Prompt
C:\Users\acer\Desktop>java Main
enter how many numbers
6
45
87
09
5.0
Exception in thread "main" java.util.InputMismatchException
    at java.base/java.util.Scanner.throwFor(Scanner.java:943)
    at java.base/java.util.Scanner.next(Scanner.java:1598)
    at java.base/java.util.Scanner.nextInt(Scanner.java:2263)
    at java.base/java.util.Scanner.nextInt(Scanner.java:2217)
    at Main.main(Main.java:11)

C:\Users\acer\Desktop>java Main
enter how many numbers
6
-54
-76
-97
-23
-33
-98
number of prime:6
number of prime:0

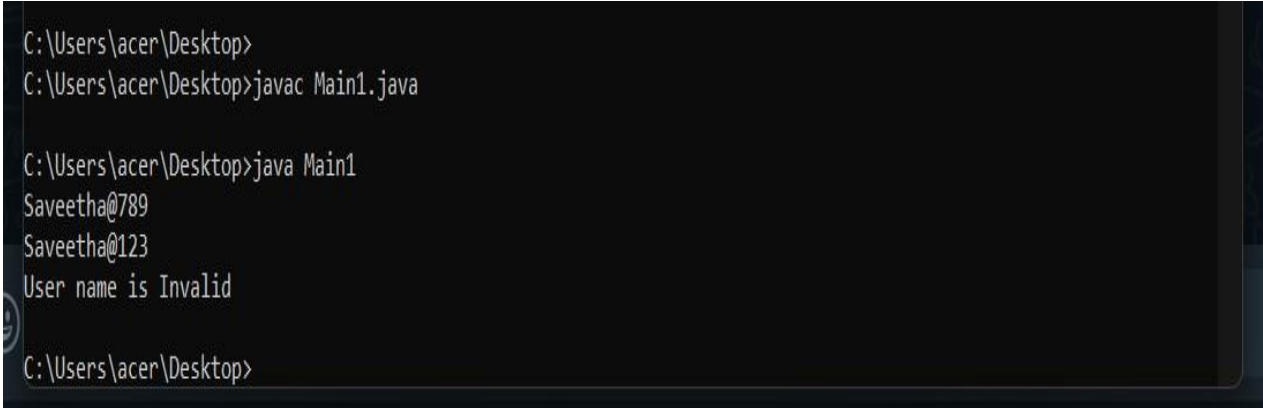
C:\Users\acer\Desktop>java Main
enter how many numbers
6
45
```

3.

```
import java.util.*; class Main{
public static void main(String args[])
{
    String s1,s2;
    boolean result;
    Scanner s= new Scanner(System.in);
    s1=s.nextLine(); s2=s.nextLine();
    result=s1.equals(s2); if
    (result==false)
    {
        System.out.println("User name is Invalid");
    }
    else
    {
```

```
        System.out.println("User name is valid");
    }
}
}
```

## OUTPUT:



```
C:\Users\acer\Desktop>
C:\Users\acer\Desktop>javac Main1.java

C:\Users\acer\Desktop>java Main1
Saveetha@789
Saveetha@123
User name is Invalid
C:\Users\acer\Desktop>
```