1.

```java
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.

```java
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)
```

```java
    {
        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
```

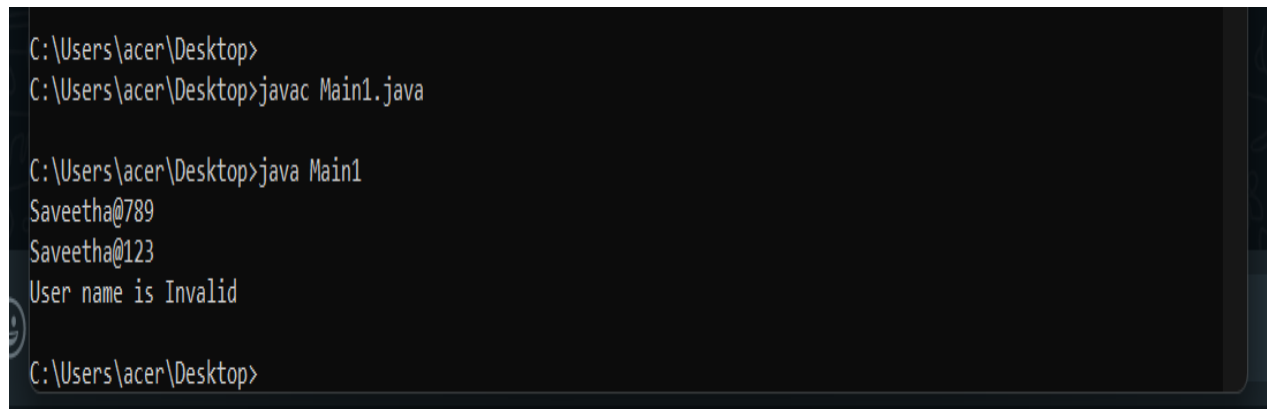**3.**

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");

  }

```java
        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>
```