

```

1- import java.io.*;
2- import java.util.*;
3- class cal{
4-     public static void main(String[] args) {
5-         Scanner s=new Scanner(System.in);
6-         System.out.println("enter rate: ");
7-         int r,p,t,si,age;
8-         r=s.nextInt();
9-         System.out.println("enter principal: ");
10-        p=s.nextInt();
11-        System.out.println("enter time: ");
12-        t=s.nextInt();
13-        System.out.println("enter age: ");
14-        age=s.nextInt();
15-        if (age>60)
16-            si=p*t*(r*(16/100));
17-        else
18-            si=p*t*(r*(10/100));
19-        System.out.println("age: "+age+"\nSI= "+si);
20-    }
21- }

```

```

java -cp /tmp/od46BBPpCQ/cal
enter rate:
50
enter principal:
1000
enter time:
8
enter age:
70
age: 70
SI= 0

--- Code Execution Successful ---

```

```

import java.io.*;
import java.util.*;
class year{
    public static void main(String[] args) {
        Scanner s=new Scanner(System.in);
        System.out.println("enter date: ");
        int date,month,year;
        date=s.nextInt();
        System.out.println("enter month: ");
        month=s.nextInt();
        System.out.println("enter year: ");
        year=s.nextInt();
        System.out.println("date="+date+"-"+month+"-"+year);
        if (year%400==0)
            System.out.println(year+" is leap year");
        else if(year%100!=0 && year%4==0)
            System.out.println(year+" is leap year");
        else
            System.out.println("not a leap year");
    }
}

```

```
java -cp /tmp/6rzncjBh89/year
```

```
enter date:
```

```
12
```

```
enter month:
```

```
4
```

```
enter year:
```

```
2024
```

```
date=12-4-2024
```

```
2024 is leap year
```

```
=== Code Execution Successful ===
```

```

import java.io.*;
import java.util.*;
class power{
    public static void main(String[] args) {
        Scanner s=new Scanner(System.in);
        float n,sq,cub;
        System.out.println("enter the number: ");
        n=s.nextFloat();
        sq=n*n;
        cub=n*n*n;
        System.out.println("number= "+n+"\nsquare= "+sq+"\ncube= "+cub);
    }
}

```

```

java -cp /tmp/hBJFK5ocJr/power
enter the number:
2
number= 2.0
square= 4.0
cube= 8.0

=== Code Execution Successful ===

```

```
import java.io.*;
import java.util.*;
class check{
    public static void main(String[] args) {
        Scanner s=new Scanner(System.in);
        String u,ru;
        System.out.println("enter username:");
        u=s.next();
        System.out.println("re enter username:");
        ru=s.next();
        if (u.equals(ru))
            System.out.println("username valid");
        else
            System.out.println("username non valid");
    }
}
```

```
java -cp /tmp/zs9e8suV3Q/check
enter username:
har
re enter username:
har
username valid
```

=== Code Execution Successful ===

```
1 import java.io.*;
2 import java.util.*;
3 class age{
4     public static void main(String[] args) {
5         Scanner s=new Scanner(System.in);
6         System.out.println("enter age: ");
7         int age=s.nextInt();
8         if (age>=18)
9             System.out.println("eligible");
10        else
11            System.out.println((18-age)+" years left");
12    }
13 }
```

```
java -cp /tmp/Xb7cT4Fc6W/age
enter age:
20
eligible
```

```
=== Code Execution Successful ===
```