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

```
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PS C:\Users\hesh2>
PS C:\Users\hesh2> java leap
enter date:
10
enter month:
11
enter year:
2024
date:10-11-2024
this is leap year
PS C:\Users\hesh2>
```

```java
//square and cube
import java.io.*;
import java.util.*;
class square
{
public static void main(String[] args)
{
float x,sq,c;
Scanner s = new Scanner(System.in);
System.out.println("enter the number:");
x=s.nextFloat();
sq=x*x;
c=x*x*x;
System.out.println("Square number:" +sq+ "\ncube number:"+c);
}
}
```

```
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PS C:\Users\hesh2> java square
enter the number:
2
Square number:4.0
cube number:8.0
PS C:\Users\hesh2>
```

```java
import java.io.*;
import java.util.*;
class valid{
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 month:");
ru=s.next();
if (u.equals(ru))
System.out.println("this is valid");
else
System.out.println("this is not valid");
}}
```

```
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PS C:\Users\hesh2> java valid
enter username:
vijiyalakshmi
re enter month:
vijiyalakshmi
this is valid
PS C:\Users\hesh2> java valid
enter username:
vijiyalakshmi
re enter month:
viji
this is not valid
PS C:\Users\hesh2>
```

```java
import java.io.*;
import java.util.*;
class simpleinterest{
public static void main(String[] args)
{
float age,p,n,amount;
Scanner s=new Scanner(System.in);
System.out.println("enter the age:");
age=s.nextFloat();
System.out.println("enter the principle amount:");
p=s.nextFloat();
System.out.println("enter the time:");
n=s.nextFloat();
if (age>=60)
{
float r=12;
amount=(p*n*r)/100;
System.out.println("amount:"+amount);}
else
{
float r=10;
amount=(p*n*r)/100;
System.out.println("amount:"+amount);}
}
}
```

```
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PS C:\Users\hesh2> java simpleinterest
enter the age:
70
enter the principle amount:
100000
enter the time:
15
amount:180000.0
PS C:\Users\hesh2> java simpleinterest
enter the age:
15
enter the principle amount:
100000
enter the time:
15
amount:150000.0
PS C:\Users\hesh2>
```

```java
import java.io.*;
import java.util.*;
class eligible{
    public static void main(String[] args)
    {
    Scanner s=new Scanner(System.in);
    System.out.println("enter the age:");
    int age=s.nextInt();
    if (age>18)
    System.out.println("eligible");
    else
    System.out.println("not eligible\n"+(18-age)+" years to be eligible");

    }}
```

```
Windows PowerShell
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.ms/PSWindows

PS C:\Users\hesh2> java eligible
enter the age:
20
eligible
PS C:\Users\hesh2> java eligible
enter the age:
13
not eligible
5 years to be eligible
PS C:\Users\hesh2>
```