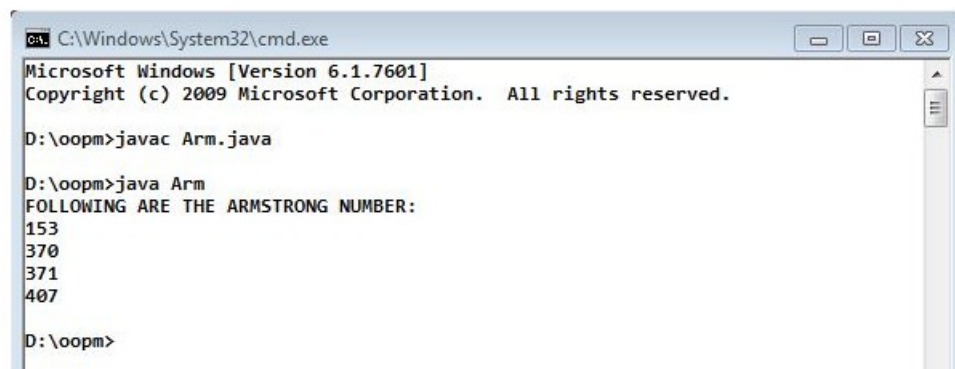


Java code:

```
import java.util.*;

class Arm
{
    public static void main(String args[])
    {
        int x,y,z,w,i;
        System.out.println("FOLLOWING ARE THE ARMSTRONG NUMBER: ");
        for(i=100;i<=999;i++)
        {
            x=i/100;
            w=i%100;
            y=w/10;
            z=w%10;
            if(x*x*x+y*y*y+z*z*z==i)
                System.out.println(i);
        }
    }
}
```

Output:

The screenshot shows a Windows command prompt window with the title bar "C:\Windows\System32\cmd.exe". The window contains the following text:

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

D:\ooppm>javac Arm.java

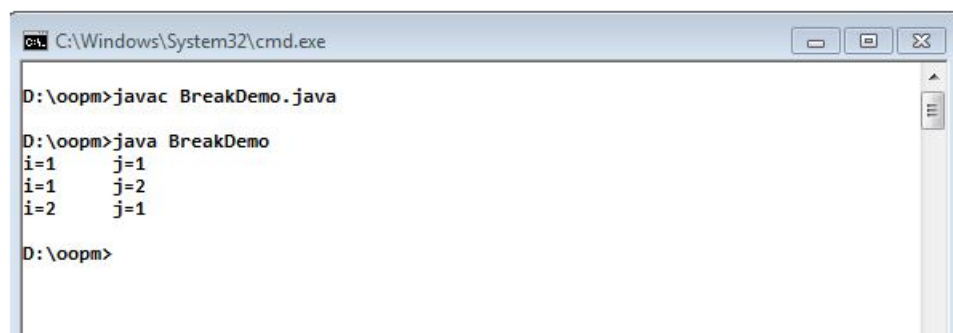
D:\ooppm>java Arm
FOLLOWING ARE THE ARMSTRONG NUMBER:
153
370
371
407

D:\ooppm>
```

Java code:

```
import java.util.*;

class BreakDemo
{
    public static void main(String args[])
    {
        First:
        for(int i=1;i<=5;i++)
        {
            Second:
            for(int j=1;j<3;j++)
            {
                System.out.println("i="+i+"\tj="+j);
                if(i==2)
                    break First;
            }
        }
    }
}
```

Output:

```
C:\Windows\System32\cmd.exe

D:\oophm>javac BreakDemo.java

D:\oophm>java BreakDemo
i=1      j=1
i=1      j=2
i=2      j=1

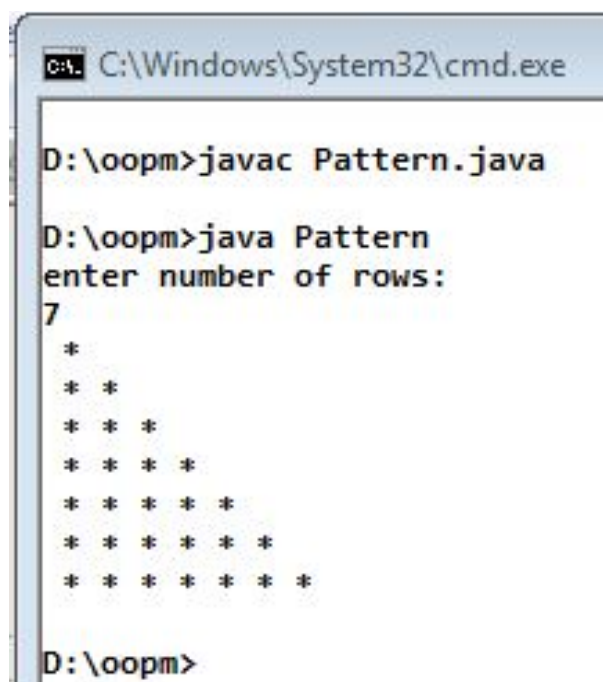
D:\oophm>
```

Java code:

```
import java.util.*;

class Pattern
{
    public static void main(String args[])
    {
        int n;
        Scanner a=new Scanner(System.in);
        System.out.println("enter number of rows: ");
        n=a.nextInt();
        for(int i=1;i<=n;i++)
        {
            for(int j=1;j<=i;j++)
                System.out.print(" *");

            System.out.println();
        }
    }
}
```

Output:

```
C:\Windows\System32\cmd.exe

D:\oopm>javac Pattern.java

D:\oopm>java Pattern
enter number of rows:
7
 *
 * *
 * * *
 * * * *
 * * * * *
 * * * * *
 * * * * *

D:\oopm>
```

Java code:

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

```
class SwitchDemo
```

```
{
```

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

```
    {
```

```
        int x,y,option;
```

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

```
        System.out.println("1.logical\t2.bitwise\t3.relational");
```

```
        System.out.println("enter the option: ");
```

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

```
        switch (option)
```

```
        {
```

```
            case 1:
```

```
            {
```

```
                boolean xx,yy;
```

```
                System.out.println("enter two boolean value");
```

```
                xx=a.nextBoolean();
```

```
                yy=a.nextBoolean();
```

```
                System.out.println(xx+"&"+"yy"+"="+xx&yy);
```

```
                System.out.println(xx+"|"+"yy"+"="+xx|yy);
```

```
            }break;
```

```
            case 2:
```

```
            {
```

```
                System.out.println("enter two number");
```

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

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

```
                System.out.println("right shift of "+x+"by one bit="+x>>1);
```

```
                System.out.println("left shift of "+y+"by one bit="+y<<1);
```

```
            }break;
```

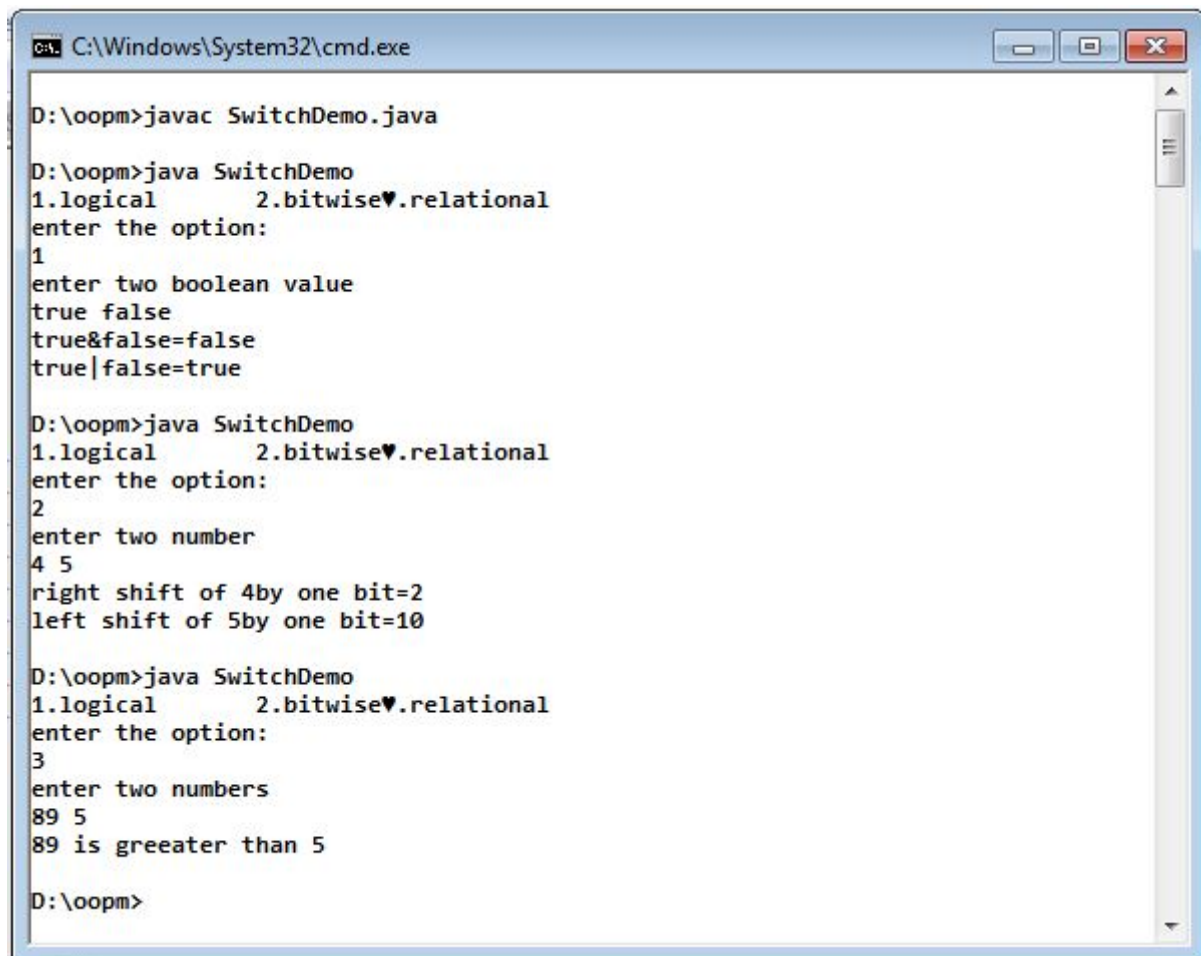
case 3:

```
{  
    System.out.println("enter two numbers");  
    x=a.nextInt();  
    y=a.nextInt();  
    if(x>y)      System.out.println(x+" is greeater than "+y);  
    else if(y>x) System.out.println(y+" is greeater than "+x);  
    else      System.out.println(x+"and"+y+"are equal");  
    }break;  
}
```

```
}
```

```
}
```

Output:



```
C:\Windows\System32\cmd.exe  
D:\oopm>javac SwitchDemo.java  
D:\oopm>java SwitchDemo  
1.logical      2.bitwise♥.relational  
enter the option:  
1  
enter two boolean value  
true false  
true&false=false  
true|false=true  
  
D:\oopm>java SwitchDemo  
1.logical      2.bitwise♥.relational  
enter the option:  
2  
enter two number  
4 5  
right shift of 4by one bit=2  
left shift of 5by one bit=10  
  
D:\oopm>java SwitchDemo  
1.logical      2.bitwise♥.relational  
enter the option:  
3  
enter two numbers  
89 5  
89 is greeater than 5  
  
D:\oopm>
```