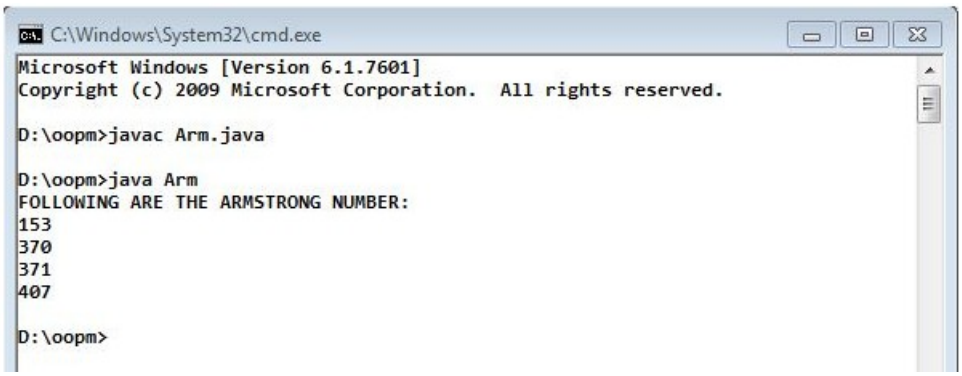
NAME:Devansh Ahuja ROLL NO:03 CLASS:D7A

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:



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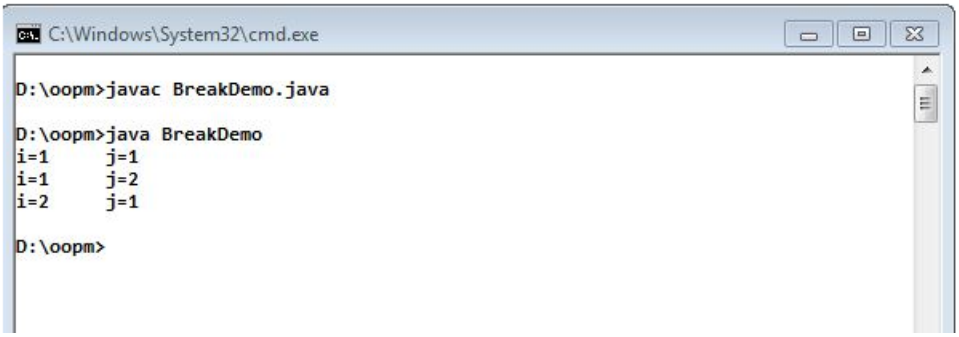
Java code:

```
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:



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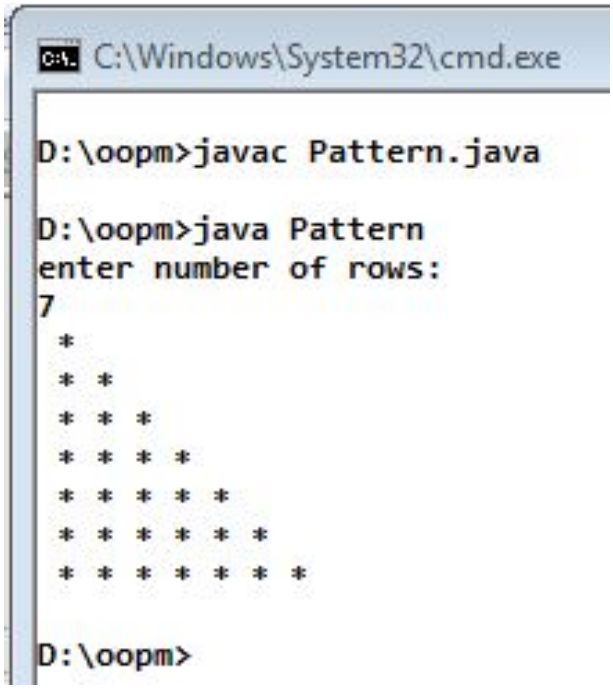
Java code:

```
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:



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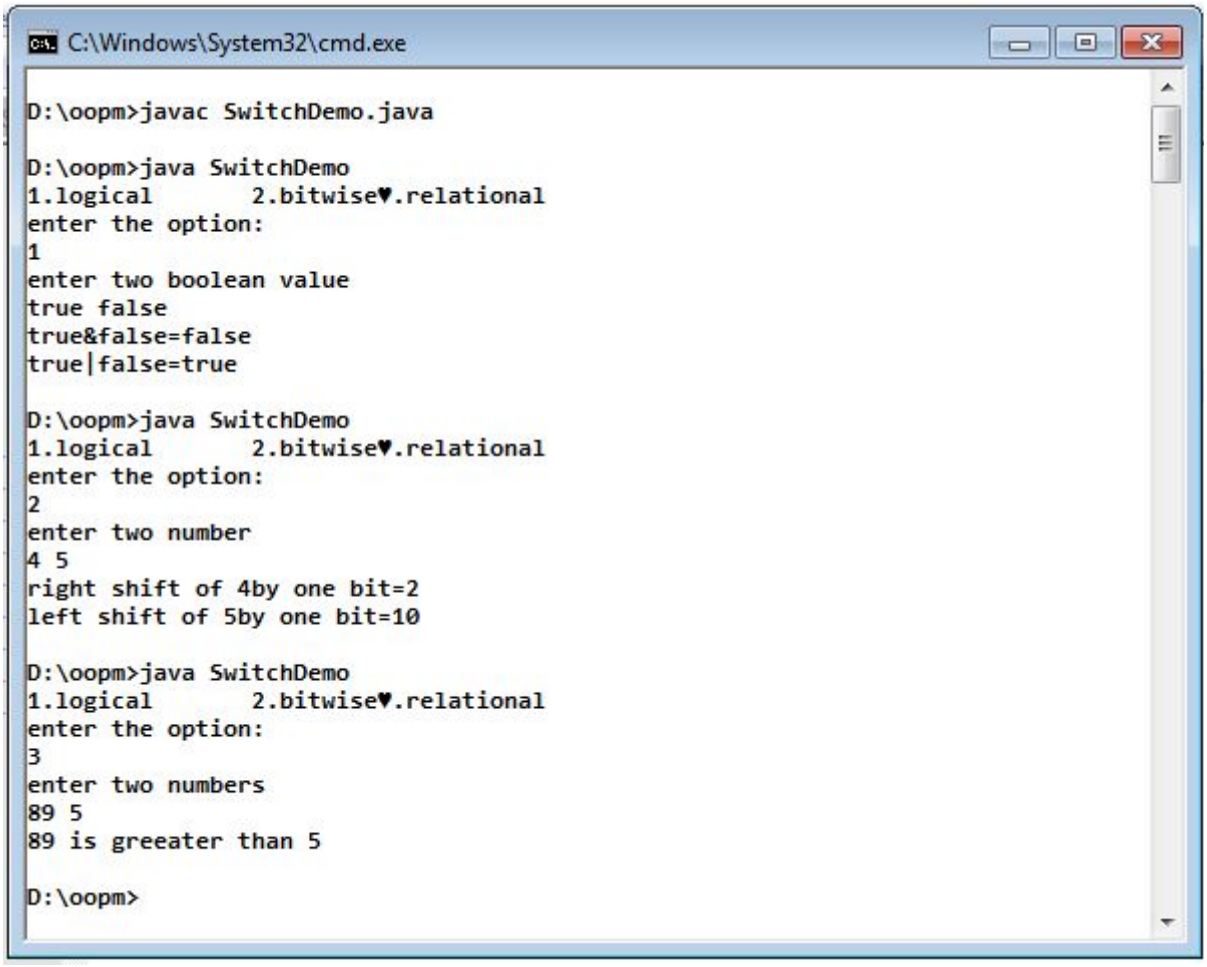
Java code:

```
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\3.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: