Write a program to calculate sum of digit and print Armstrong number between 1 to 1000.

```
import java.util.Scanner;

class sum{
	public static void demo()
	{
		int sum=0,no,digit;
	    Scanner sc=new Scanner(System.in);
		System.out.println("Enter a Numbers");

		no=sc.nextInt();
		while(no>0)
		{
			digit=no%10;
			sum=sum+digit;
			no=no/10;
		}
		System.out.println("sum of digit = "+sum);
	}
}
class methodoverriding extends sum {
	public static void demo()
	{

	System.out.print("Armstrong no from 1 to 1000 : \n");
	for(int i=1;i<=1000;i++)
	{
	int num=i;
	int sum=0;
	while(num>0)
	{
	int r=num%10;
	sum=sum+(r*r*r);
	num=num/10;
	}
	if(sum==i)
	{
	System.out.println(sum);
	}
	sum=0;
	}
	}
	public static void main(String[] args)
	{

		sum obj=new methodoverriding();
		methodoverriding obj1=new methodoverriding();
		obj. demo();
```

```
            obj1.demo();


        }
}
```

Output: