```java
package logicalprograms;

public class ArmStrongNumber {

	public static void main(String[] args) {
		// 123-->1^3+2^3+3^3=1+8+27=36
		//153-->1^3+5^3+3^3=1+125+27=153

		int num=153;
		int num1=0;

		for(int i=num;i>0;i=i/10)
		{
			int rem = i%10;
			num1=num1+(rem*rem*rem);

		}

		if(num==num1)
		{
			System.out.println("Given number "+num+" is ArmStrongNumber");
		}

		else
		{
			System.out.println("Given number "+num+" is not an
ArmStrongNumber");

		}

	}

}
```

```java
package logicalprograms;

public class ReverseTheNumberByConvert {

	public static void main(String[] args)
	{
		int Orgnum=123;
		String orgString = Integer.toString(Orgnum);
		String revString ="";

		for(int i=orgString.length()-1;i>=0;i--)
		{
```

```
                revString=revString+orgString.charAt(i);
            }

            int revNum = Integer.parseInt(revString);
            System.out.println("Original number is "+Orgnum);
            System.out.println("Reverse number is "+revNum);
        }

}
```

```
package logicalprograms;

public class ReverseNumber {

        public static void main(String[] args)
        {

            int orgNum=123;
            int revNum=0;
            //System.out.println(orgNum/10);
//          System.out.println(orgNum%10);
//
//          System.out.println(12%10);
//          System.out.println(1%10);

            for(int i=orgNum;i>0;i=i/10)//123,12, 1

            {
                int rem = i%10;//3,2,1

                revNum=revNum*10+rem;
                //3=0+3
                //32=3*10+2
                //321=320+1
            }
            System.out.println("Oroginal Number is "+orgNum);
            System.out.println("reverse Number is "+revNum);


        }

}
```

```
package logicalprograms;

public class ReverseMiddleString {
```

```
	public static void main(String[] args)
	{
		// reverse even position strings
		String s="I LOVE MY INDIA";

		String ar[]=s.split(" "); //{"I", "LOVE", "MY", "INDIA"}
                                                                  //0    1     2     3

		for(int i=0;i<=ar.length-1;i++)
		{

			if(i%2!=0)// odd index
			{
				String s1 = ar[i];
				ar[i]=revStr(s1);
			}

		}
		for(int i=0;i<=ar.length-1;i++)
		{
			System.out.println(ar[i]+" ");
		}


	}


	public static String revStr(String input)
	{
		String rev="";
		for(int i=input.length()-1;i>=0;i--)
		{
			rev=rev+input.charAt(i);
		}

		return rev;

	}
}
```