**ARMSTRONG NUMBER**

import java.util.Scanner;

public class armstrong {

public static void main(String[] args) {

Scanner s = new Scanner(System.*in*);

System.*out*.println("Enter the number to find whether the number is ARMSTRONG or not");

int number = s.nextInt();

int armstrong = number;

int split = 0, q = 0, arm = 0;

int loop = String.*valueOf*(number).length();

int count = 0;

for (int i = 0; i < loop; i++) {

count++;

} while (number > 0) {

split = number % 10;

number = number / 10;

arm += Math.*pow*(split, count);

//System.out.println(arm);

}

if (armstrong == arm) {

System.*out*.println("the number " + armstrong + "is armstrong number");

} else {

System.*out*.println("try again!");

}

}

}

**OUTPUT:**

Enter the number to find whether the number is ARMSTRONG or not

9474

the number 9474is armstrong number

Enter the number to find whether the number is ARMSTRONG or not

234

try again!

**2.PATTERN PRINTING**

public class pattern3 {

public static void main(String[] args) {

int n=9;

for(int i=0;i<n-4;i++)

{

for(int j=0;j<n;j++)

{ if((i==0)||(i+j-4==n-5)||(i+2==j+2)) {

System.*out*.print(" \* ");

}else

{ System.*out*.print(" ");

}// System.out.println(" ");

}

System.*out*.println(" ");

} //System.out.println("\* ");

}}

**OUTPUT:**

**\* \* \* \* \* \* \* \* \***

**\* \***

**\* \***

**\* \***

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