1.REVERSE A NUMBER

class Main {

public static void main(String[] args) {

int num = 258, reverse = 0;

System.out.println("Original Number: " + num);

while(num != 0) {

int digit = num % 10;

reverse = reverse \* 10 + digit;

num /= 10;

}

System.out.println("Reversed Number: " + reverse);

}

}

2.PRIME NUMBER

public class Main {

public static void main(String[] args) {

int num = 27;

boolean flag = false;

if (num == 0 || num == 1) {

flag = true;

}

for (int i = 2; i <= num / 2; ++i) {

if (num % i == 0) {

flag = true;

break;

}

}

if (!flag)

System.out.println(num + " is a prime number");

else

System.out.println(num + " is not a prime number");

}

}

3.FIBONACCI SERIES

class Main {

public static void main(String[] args) {

int n = 8, firstTerm = 0, secondTerm = 1;

System.out.println("Fibonacci Series till " + n + " terms:");

for (int i = 1; i <= n; ++i) {

System.out.print(firstTerm + ", ");

int nextTerm = firstTerm + secondTerm;

firstTerm = secondTerm;

secondTerm = nextTerm;

}

}

}

4.ARMSTRONG NUMBER

public class Armstrong {

public static void main(String[] args) {

int number = 450, originalNumber, remainder, result = 0;

originalNumber = number;

while (originalNumber != 0)

{

remainder = originalNumber % 10;

result += Math.pow(remainder, 3);

originalNumber /= 10;

}

if(result == number)

System.out.println(number + " is an Armstrong number");

else

System.out.println(number + " is not an Armstrong number");

}

}

5.SUM OF DIGITS

import java.util.Scanner;

public class SumOfDigits

{

public static void main(String args[])

{

int number, digit, sum = 0;

Scanner sc = new Scanner(System.in);

System.out.print("Enter the number: ");

number = sc.nextInt();

while(number > 0)

{

digit = number % 10;

sum = sum + digit;

number = number / 10;

}

System.out.println("Sum of Digits: "+sum);

}

}