**1.Harshad number 22**

import java.util.Scanner;

public class main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int no = sc.nextInt();

int temp = no;

int sum = 0;

while (temp != 0) {

sum += temp % 10;

temp /= 10;

}

if (no % sum == 0) {

System.out.println("Harshad Number");

} else {

System.out.println("Not Harshad Number");

}

sc.close();

}

}

**2.Abundant number 11**

import java.util.Scanner;

public class main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int s = 0;

for (int i = 1; i <= n / 2; i++) {

if (n % i == 0) {

s += i;

}

}

if (s > n) {

System.out.println("Abundant Number");

} else {

System.out.println("Not Abundant Number");

}

sc.close();

}

}

**3.SUM OF DIGIT 10**

import java.util.Scanner;

public class SumOfDigits {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

if (n >= 100 || n <= -100) {

int sum = 0;

int temp = Math.abs(n);

while (temp > 0) {

sum += temp % 10;

temp /= 10;

}

System.out.println("Sum of digit is " + sum);

} else {

System.out.println("Invalid Input");

}

sc.close();

}

}

**4.Fibonacci series 144**

import java.util.Scanner;

public class main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int m = sc.nextInt();

if (n < 1 || m < 1 || n > 20 || m > 20) {

System.out.println("Invalid Input");

return;

}

int a = 0, b = 1, c;

double sum = 0;

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

if (i == 1) c = a;

else if (i == 2) c = b;

else {

c = a + b;

a = b;

b = c;

}

if (i >= n && i <= m) {

sum += c;

}

}

System.out.println("The Sum of Fibonacci value is " + sum);

}

}

**5.Multiplication table 79**

import java.util.Scanner;

public class main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

if (n >= 1 && n <= 9) {

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

System.out.println(n + " x " + i + " = " + (n \* i));

}

} else {

System.out.println("Invalid Input");

}

}

}

**6.sum of even number 1**

import java.util.Scanner;

public class main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int m = sc.nextInt();

if (n >= m) {

System.out.println("Invalid Input");

} else {

int sum = 0;

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

if (i % 2 == 0) {

sum += i;

}

}

System.out.println(sum);

}

}

}