PROGRAM - 1

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. \*/

Scanner s = new Scanner(System.in);

int a = s.nextInt();

switch(a){

case 1:

System.out.println("Monday");

break;

case 2:

System.out.println("Tuesday");

break;

case 3:

System.out.println("Wednesday");

break;

case 4:

System.out.println("Thursday");

break;

case 5:

System.out.println("Friday");

break;

case 6:

System.out.println("Saturday");

break;

case 7:

System.out.println("Sunday");

break;

default:

System.out.println("Enter a valid Input");

}

}

}

PROGRAM - 2

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. \*/

Scanner s = new Scanner(System.in);

int a = s.nextInt();

int b = s.nextInt();

int c = s.nextInt();

if(a>b && a>c){

System.out.println("a is largest then b and c");

}else if(b>a && b>c){

System.out.println("b is largest then a and c");

}else{

System.out.println("c is largest then a and b");

}

}

}

PROGRAM - 3

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. \*/

Scanner s = new Scanner(System.in);

int a = s.nextInt();

int b = s.nextInt();

char ch = s.next().charAt(0);

switch(ch){

case '+':

System.out.println("Addition of two number is "+(float)(a+b));

break;

case '-':

System.out.println("Subtraction of two number is "+(float)(a-b));

break;

case '\*':

System.out.println("Multiplication of two number is "+(float)(a\*b));

break;

case '/':

System.out.println("Division of two number is "+(float)(a/b));

break;

case '%':

System.out.println("Modulo of two number is "+(float)(a%b));

break;

default:

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

break;

}

}

}

PROGRAM - 4

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. \*/

Scanner s = new Scanner(System.in);

int n = s.nextInt();

if (n > 0) {

System.out.println("positive");

} else if (n < 0) {

System.out.println("negative");

} else {

System.out.println("zero");

}

}

}

PROGRAM - 5

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. \*/

Scanner s = new Scanner(System.in);

int a = s.nextInt();

if (a >= 100 && a <= 999) {

int original = a;

int reversed = 0;

while (a != 0) {

int digit = a % 10;

reversed = reversed \* 10 + digit;

a /= 10;

}

if (original == reversed) {

System.out.println("palindrome");

} else {

System.out.println("not palindrome");

}

} else {

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

}

}

}

PROGRAM - 6

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. \*/

Scanner s = new Scanner(System.in);

int num = s.nextInt();

int sum=0;

int rem=0;

int temp=num;

while(num>0){

rem=num%10;

sum=sum+rem;

num=num/10;

}

int a=(temp%sum);

if(a == 0){

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

}else{

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

}

}

}

PROGRAM - 7

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int num = s.nextInt();

int sum=0;

int rem=0;

if((num/100)>0){

while(num>0){

rem=num%10;

sum=sum+rem;

num=num/10;

}

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

}else{

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

}

}

}

PROGRAM - 8

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int n = s.nextInt();

int m = s.nextInt();

if((n>1 && n<=20) && (m>1 && m<=20)){

int a = 0;

int b = 1;

double sum = 0;

int fib;

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

if (i == 1) {

fib = a;

} else if (i == 2) {

fib = b;

} else {

fib = a + b;

a = b;

b = fib;

}

if (i >= n) {

sum += fib;

}

}

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

}else{

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

return;

}

}

}

PROGRAM - 9

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int a = s.nextInt();

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

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

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

}

}else{

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

}

}

}

PROGRAM - 10

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int n = s.nextInt();

int m = s.nextInt();

int a = 0;

if((n>0 && m<=30) && (m>0 && m<=30)&& (n<m)){

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

if(i%2==0){

a=a+i;

}

}

System.out.println(a);

}else{

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

}

}

}

PROGRAM - 11

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int num = s.nextInt();

int sum=0;

int rem=0;

int temp=num;

if(num>=100 && num<=999){

while(num>0){

rem=num%10;

sum=sum+(rem\*rem\*rem);

num=num/10;

}

}

if(temp == sum){

System.out.println("Yes");

}else{

System.out.println("No");

}

}

}

PROGRAM - 12

import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

if (n < 0 || n > 9) {

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

return;

}

char ch = 'A';

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

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

System.out.print(ch + " ");

ch++;

}

System.out.println();

}

}

}