60.Implement a pgm to handle more exception:

public class MultipleExceptionExample{

public static void main(String args[]){

try{

int array[] = newint[10];

array[10] = 30/0;

}

catch(ArithmeticException e){

System.out.println(e.getMessage());

}

catch(ArrayIndexOutOfBoundsException e){

System.out.println(e.getMessage());

}

catch(Exception e){

System.out.println(e.getMessage());

}

}

}

Output:

/ by zero

62.Convert array list to string:

import java.util.ArrayList;

public class String\_ArrayList {

public static void main(String args[]) {

ArrayList<String> al = new ArrayList<String>();

al.add("Hello");

al.add("are");

al.add("you");

StringBuffer sb = new StringBuffer();

for (String s : al) {

sb.append(s);

sb.append(" ");

}

String str = sb.toString();

System.out.println(str);

}

}

Output:

Hello are you

Nested if else statement:

import java.util.\*;

class example

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

char gender = sc.next().charAt(0);

int age = sc.nextInt();

if(age > 18){

if(gender == 'M'){

System.out.println("CovidShield");

}

else if(gender == 'F'){

System.out.println("Covaxine");

}

else{

System.out.println("Sputnik");

}

}

}

}

Output

CovidShield

Pgm to check odd or even number:

public class Main

{

public static void main(String[] args) {

int number = 29;

if (number % 2 == 0)

System.out.println(number + " is Even");

else

System.out.println(number + " is odd");

}

}

Output

29 is Odd

Check no is Armstrong or not:

public class Armstrong {

public static void main(String[] args) {

int number = 371, 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.");

}

}

Output

371 is an Armstrong number

Add two matrix in java:

public class MatrixAdditionExample{

public static void main(String args[]){

int a[][]={{1,3,4},{2,4,3},{3,4,5}};

int b[][]={{1,3,4},{2,4,3},{3,4,5}};

int c[][]=new int[3][3];

for(int i=0;i<3;i++){

for(int j==0;j<3;j++0);

c[i][j]=a[i][j]+b[i][j];

System.out.print(c[i][j]+" ");

}

System.out.println();//new line

}

}}

Output:

2 6 8

4 8 6

4 6 9

66.Print multiplication table pgm:

import java.util.Scanner;

public class TableExample

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

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

int num=sc.nextInt();

for(int i=1; i <= 10; i++)

{

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

}

}

}

Multiply two matrix in java:

public class MatrixMultiplicationExample{

public static void main(String args[]){

int a[][]={{1,1,1},{2,2,2},{3,3,3}};

int b[][]={{1,1,1},{2,2,2},{3,3,3}};

int c[][]=new int[3][3];

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

c[i][j]=0;

for(int k=0;k<3;k++)

{

c[i][j]+=a[i][k]\*b[k][j];

}System.out.print(c[i][j]+" ");

}

System.out.println();

}

}}

Output:

6 6 6

12 12 12

18 18 18