**Practical no.-**13

**Title:**Write a program for implementation of Arrays in Java(Multidimensional)

**Roll No.:** 15 **Batch-** A **Date of Performance:** 13-March-2023

**Code:-**

import java.util.Scanner;

class Multiarray {

public static void main(String args[]) {

int A[][] = new int[3][3];

int B[][] = new int[3][3];

int C[][] = new int[3][3];

Scanner sc = new Scanner(System.in);

int i, j;

System.out.println("Enter 9-elements of matrix-A:");

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

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

A[i][j] = sc.nextInt();

}

}

System.out.println("Enter 9-elements of matrix-B:");

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

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

B[i][j] = sc.nextInt();

}

}

System.out.println("Resultant Matrix is: ");

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

System.out.println(" ");

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

C[i][j] = A[i][j] + B[i][j];

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

}

}

}

}

**Output-**

Microsoft Windows [Version 6.3.9600]

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C:\Users\Student>G:

G:\>cd G:\Java\jdk1.8.0\_281\bin\SYCM-1\_15

G:\Java\jdk1.8.0\_281\bin\SYCM-1\_15>set path=G:\Java\jdk1.8.0\_281\bin

G:\Java\jdk1.8.0\_281\bin\SYCM-1\_15>javac Multiarray.java

G:\Java\jdk1.8.0\_281\bin\SYCM-1\_15>java Multiarray

Enter 9-elements of matrix-A:

4 5 7

8 5 2

1 3 6

Enter 9-elements of matrix-B:

2 0 8

4 5 6

1 2 3

Resultant Matrix is:

6 5 15

12 10 8

2 5 9