**Experiment – 3.1**

**AIM-** Write a program to reverse the elements of a given 2\*2 array. Four integer numbers need to be passed as Command-Line arguments.

**SOURCE CODE -**

public class Reverse{

static void reverseArray(int arr[][],int M,int N){

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

int start = 0;

int end = N - 1;

while (start < end) {

int temp = arr[i][start];

arr[i][start] = arr[i][end];

arr[i][end] = temp;

start++;

end--;}

}

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

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

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

}

System.out.println();}

}

public static void main(String[] args){

int arr[][] = { { 4,9},{ 5,8} };

System.out.println("Input Array:");

int M = 2,N = 2;

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

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

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

System.out.println(); }

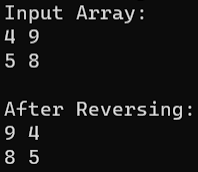
System.out.println();

System.out.println("After Reversing:");

reverseArray(arr,M,N); }

}

**OUTPUT-**



**EXPERIMENT – 3.2**

**AIM :** Initialize an integer array with ASCII values and print the corresponding character values in a single row.

**SOURCE CODE:**

public class ASCIIValue {

public static void main(String[] args) {

int arr[] = {71,82,89,70,75};

System.out.print("Given Integer Array: ");

for (int i=0; i<arr.length; i++) {

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

}

System.out.println();

System.out.print("Corresponding Character Values: ");

for (int i=0; i<arr.length; i++) {

System.out.print((char)arr[i]+" ");

}

System.out.println();

}

}

**OUTPUT-**

****

**EXPERIMENT – 3.3**

**AIM :** Write a java program to produce the tokens from given long string.

**SOURCE CODE:**

import java.util.\*;

public class Token {

public static void main(String args[]){

StringTokenizer st = new StringTokenizer("My Name Is Gautam Tuteja");

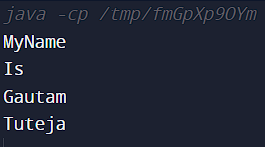
while (st.hasMoreTokens()){

System.out.println(st.nextToken()); }

}

}

**OUTPUT-**

****

**EXPERIMENT – 3.4**

**AIM :** Using the concept of method overloading Write method for calculating the area of triangle, circle and rectangle.

**SOURCE CODE:**

class Overload{

void area(int x){

double z = x\*x;

System.out.println("the area of the square is "+z+" sq units"); }

void area(float x, float y){

double z = x\*y;

System.out.println("the area of the rectangle is "+z+" sq units"); }

void area(double x){

double z = 3.14 \* x \* x;

System.out.println("the area of the circle is "+z+" sq units"); }

}

class MethodOverloading {

public static void main(String args[]) {

Overload ob = new Overload();

ob.area(8);

ob.area(5,2);

ob.area(3.5); }

}

**OUTPUT-**

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