

Parshvanath Charitable Trust's

A. P. SHAH INSTITUTED OF TECHNOLOGY

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai) (Religious Jain Minority)

Department of Humanities and Applied Science

Academic Year: 2023-24 Name of Student: Vedant Nagesh Terse

Semester: II Student ID:23104195

Class / Branch: F.E ALL

Date of Performance: 20/03/2024

Subject: C Programming

Date of Submission: 20/03/2024

Name of Instructor: Prof. Vandana Virbhadre

Experiment No.17

Aim: Implementation of 2D array.

Problem statement: Write a program to implement matrix multiplication using 2D array.

PROGRAM:-

```
#Include*stdib.h>
##Include*stdib.h>
##Include*stdi
```

OUTPUT:-

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp17$ ./a.out
Enter No. Of Rows And Columns For First Matrix: 2 3
Enter No. Of Rows Amd Columns For Second Matrix: 3 3
Enter First Matrix Element:
1 2 3 4 5 6
Enter Second Matrix Element:
1 2 3
4 5 6
Second Matrix Element:
1 2 3
4 5 6
Second Matrix Element:
1 2 3
4 5 6
Second Matrix Element:
1 2 3
4 5 6
Second Matrix Element:
1 2 3
4 5 6
Second Matrix Element:
1 2 3
4 5 6
7 8 9
Matrix Multiplication:
Matrix c:
30 36 42
66 81 96
```