



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE 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

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Semester: II

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Class / Branch: F.E ALL

Date of Performance: /02/2024

Subject: C Programming

Date of Submission: /02/2024

Name of Instructor: Prof. [Vandana Virbhadre](#)

Experiment No.10

Aim: Write a program that demonstrate working of nested loop.

Problem statement:Write a program to a given output using nested for and nested while loop.

PROGRAM:-

```
#include<stdio.h>
int main()
{
    int i,j;
    for(i=1;i<=5;i++)
    {
        for (j=1; j<=i; j++)
        {
            printf("*");
        }
        printf("\n");
    }
    return 0;
}
```

```
#include<stdio.h>
int main()
{
    int i=1,j;
    while (i<=5)
    {
        j=1;
        while (j<=i)
        {
            printf("%d",i);
            j++;
        }
        printf("\n");
        i++;
    }
    return 0;
}
```

OUTPUT:-

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/Exp10$ gcc Exp10a.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/Exp10$ ./a.out
1
22
333
4444
55555
```

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/Exp10$ gcc Exp10b.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/Exp10$ ./a.out
*
**
***
****
*****
```