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|  | **DEPARTMENT OF FIRST YEAR ENGINEERING** |

**Experiment No. 9**

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| Semester | F.E. Semester II – First Year Engineering |
| Subject | C Programming (FEL204) |
| Subject Professor In-charge | Prof. Sanjeev Dwivedi Sir |
| Assisting Teachers | Prof. Sneha Annappanavar |

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| Student Name | Deep Salunkhe |
| Roll Number | 21102A0014 |

**Title:**

**Program Code:**

#include<stdio.h>

int fact(int n)

{

    int i,f=1;

    for(i=1;i<=n;i++)

    {

        f=f\*i;

    }

    return f;

}

int main()

{

    int n,i,j,s,a;

    printf("Enter number of lines:\n");

    scanf("%d",&n);

    s=n-1;

    for(i=0;i<n;i++)

    {

        for(j=1;j<=s;j++)

        {

            printf(" ");

        }

        for(j=0;j<=i;j++)

        {

            a=fact(i)/(fact(j)\*fact(i-j));

            printf("%d ",a);

        }

        printf("\n");

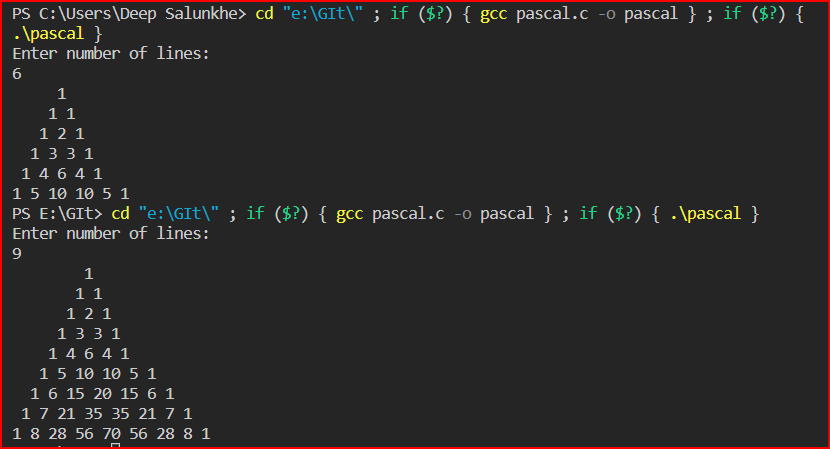
        s--;

    }

    return 0;

}

**Output:**

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