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

**Experiment No. 16**

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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>

#include<string.h>

int main()

{

    char s1[10][10],temp[10];

    int n,i,j;

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

    scanf("%d",&n);

    fflush(stdin);

    for(i=0;i<n;i++)

    {

        printf("\nEnter name:\n");

        gets(s1[i]);

    }

    for(i=1;i<n;i++)

    {

        for(j=0;j<n-i;j++)

        {

            if(strcmp(s1[j],s1[j+1])>0)

            {

                strcpy(temp,s1[j]);

                strcpy(s1[j],s1[j+1]);

                strcpy(s1[j+1],temp);

            }

        }

    }

    printf("\nSorted List=\n");

    for(i=0;i<n;i++)

    {

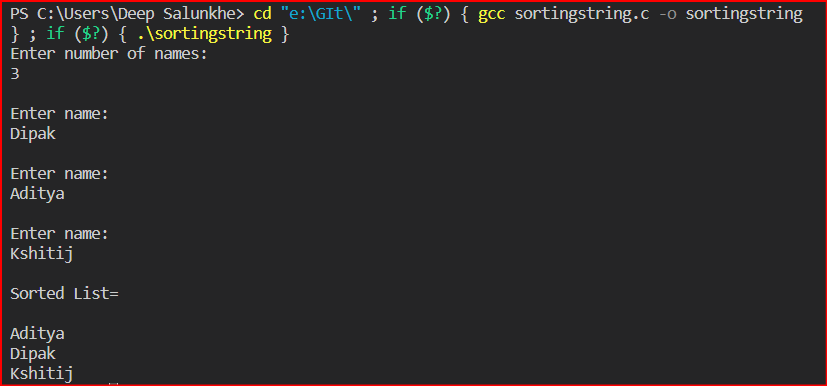
        printf("\n%s",s1[i]);

    }

    return 0;

}

**Output:**

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