A Micro Project Report on
Problem Solving using C Language

Submitted by

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET (AUTONOMOUS)

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NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that Shaik Gannaram Ashabi,**Roll No: 23471A05EJ,** a Second Year Student of the Department of Computer Science and Engineering, has completed the Micro Project Satisfactorily in "Problem Solving using C Language" for the Academic Year 2024-2025..

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ADDRESS BOOK

AIM:

Write a C program to Add, delete and update contacts with search functionality.

SOURCE CODE:

```c
#include<stdio.h>
#include<conio.h>
struct node
{
    long long int number;
    struct node *next;
};
struct node *newnode,*head=NULL,*temp;
long long int x;
void add()
{
     newnode=(struct node*)malloc(sizeof(struct node));
     printf("Enter a contact number in list");
     scanf("%lld",&x);
    newnode->next=head;
    head=newnode;
    newnode->number=x;
}
void deletion()
{
    temp=head;
    head=temp->next;
    printf("%lld",temp->number);
    free(temp);
}
void update()
{
     temp=head;
     while(temp!=NULL)
     {
```

```c
            printf("%lld",temp->number);
            temp=temp->next;
        }
}
void search()
{
     long long int searchi;
     printf("Enter the number to search");
     scanf("%lld",&searchi);
    temp=head;
    while(temp->next!=NULL)
    {
        if(searchi==temp->number)
        {
            Printf("search number is found");
            break;
        }
        temp=temp->next;
    }
}

void main()
{
    clrscr();
    add();
    add();
    add();
    printf("\ndeletion of 1 contact number\n");
    deletion();
    printf("\nupdate of contact list\n");
    update();
    printf("\n your contact list is updated\n");
    search();
}
```

Output:

```
enter a contact number in list9773573455
enter a contact number in list4272226677
deletion of 1 contact number
4272226677
updation of contact list
9773573455
your contact list has been updatedEnter a
number to search9773573455
search number is found
```

Compile Result

```
enter a contact number in list9773573455
enter a contact number in list4272226677
deletion of 1 contact number
4272226677
updation of contact list
9773573455
your contact list has been updatedEnter a
 number to search9773573455
search number is found
[Process completed (code 23) - press Ente
r]
```