

# **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**  
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**Accredited by NAAC with A+ Grade and NBA under Tier-1**

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Andhra Pradesh, India**

**2024-2025**

**NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET**  
**(AUTONOMOUS)**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that **Kakumanu Rajeswari**, **Roll No: 23471A05DT**, 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..

**Project Co-Ordinator**

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S.No	Description
1.	C program to Add, delete and update contacts with search functionality.

## 14-ADRESS BOOK

### AIM:

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

### SOURCE CODE:

```
#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)
    {
```

```

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
updatation 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]
```