

COMPLETE CODE

```
▶ #include <stdio.h>
▶ #include <string.h>

▶ struct Faculty {
▶     char name[50];
▶     char phone[15];
▶ };

▶ int main() {
▶     struct Faculty list[50];
▶     int count = 0, choice;
▶     char searchName[50];

▶     while (1) {
▶         printf("\n--- Faculty Phone Manager ---\n");
▶         printf("1. Add Faculty\n");
▶         printf("2. Search Faculty\n");
▶         printf("3. Display All\n");
▶         printf("4. Exit\n");
▶         printf("Choice: ");
▶         scanf("%d", &choice);
```

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```
▶ if (choice == 1) {
▶     printf("Name: ");
▶     scanf("%s", list[count].name);
▶     printf("Phone: ");
▶     scanf("%s", list[count].phone);
▶     count++;
▶     printf("Added Successfully!\n");
▶ }
▶ else if (choice == 2) {
▶     printf("Enter name: ");
▶     scanf("%s", searchName);

▶
▶     int found = 0;
▶     for (int i = 0; i < count; i++) {
▶         if (strcmp(list[i].name, searchName) == 0) {
▶             printf("Phone Number: %s\n", list[i].phone);
▶             found = 1;
▶             break;
▶         }
▶     }
▶     if (!found) printf("Faculty Not Found!\n");
▶ }
```

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```
▶     else if (choice == 3) {  
▶         printf("\n--- Faculty List ---\n");  
▶         for (int i = 0; i < count; i++)  
▶             printf("%s - %s\n", list[i].name, list[i].phone);  
▶     }  
▶     else if (choice == 4) {  
▶         printf("Thank You!\n");  
▶         break;  
▶     }  
▶     else {  
▶         printf("Invalid Choice!\n");  
▶     }  
▶ }  
  
▶ return 0;  
▶ }
```

OUTPUT

► Sample Output

1) Adding Faculty

- Enter your choice: 1
- Enter Faculty Name: SaiKumar
- Enter Department: CSE
- Enter Phone Number: 9876543210
- Faculty Added Successfully!

2) Viewing Faculty List

- Enter your choice: 2
- ----- Faculty List -----
- Name: SaiKumar | Dept: CSE | Phone: 9876543210

3) Searching Faculty

- Enter your choice: 3
- Enter name to search: SaiKumar
- Record Found:

- Name: SaiKumar | Dept: CSE | Phone: 9876543210

4) Updating Faculty

- Enter your choice: 4
- Enter name to update: SaiKumar
- Enter New Department: AIML
- Enter New Phone Number: 9900012345
- Record Updated Successfully!

5) Deleting Faculty

- Enter your choice: 5
- Enter name to delete: SaiKumar
- Record Deleted Successfully!

6) Exiting Program

- Enter your choice : 6
- Thank you ! Exiting Program