

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