

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

```
// Structure to represent a Todo task
```

```
struct Task {
    char description[100];
    struct Task* next;
};
```

```
// Function to create a new task
```

```
struct Task* createTask(char description[])
{
    struct Task* newTask = (struct
Task*)malloc(sizeof(struct Task));
    strcpy(newTask->description,
description);
    newTask->next = NULL;
    return newTask;
}
```

```
// Function to add a task to the list
void addTask(struct Task** head, char
description[]) {
    struct Task* newTask =
createTask(description);
    if (*head == NULL) {
        *head = newTask;
    } else {
        struct Task* temp = *head;
        while (temp->next != NULL) {
            temp = temp->next;
        }
        temp->next = newTask;
    }
    printf("Task added: %s\n", description);
}
```

```
// Function to display the list of tasks
void displayTasks(struct Task* head) {
    if (head == NULL) {
        printf("No tasks to display!\n");
    }
}
```

```
    return;
}
struct Task* temp = head;
printf("Todo List:\n");
int taskNo = 1;
while (temp != NULL) {
    printf("%d. %s\n", taskNo++, temp-
>description);
    temp = temp->next;
}
}
```

```
// Function to delete a task by its number
void deleteTask(struct Task** head, int
taskNo) {
    if (*head == NULL) {
        printf("No tasks to delete!\n");
        return;
    }
```

```
    struct Task* temp = *head;
```

```
if (taskNo == 1) {  
    *head = temp->next;  
    printf("Task deleted: %s\n", temp-  
>description);  
    free(temp);  
    return;  
}
```

```
for (int i = 1; temp != NULL && i < taskNo  
- 1; i++) {  
    temp = temp->next;  
}
```

```
if (temp == NULL || temp->next == NULL)  
{  
    printf("Invalid task number!\n");  
    return;  
}
```

```
struct Task* nextTask = temp->next-  
>next;
```

```
    printf("Task deleted: %s\n", temp->next-  
>description);  
    free(temp->next);  
    temp->next = nextTask;  
}
```

// Main function

```
int main() {  
    struct Task* head = NULL;  
    int choice, taskNo;  
    char description[100];  
  
    while (1) {  
        printf("\n1. Add Task\n");  
        printf("2. Display Tasks\n");  
        printf("3. Delete Task\n");  
        printf("4. Exit\n");  
        printf("Enter your choice: ");  
        scanf("%d", &choice);  
        getchar(); // To consume the newline  
character
```

```
switch (choice) {  
    case 1:  
        printf("Enter task description: ");  
        fgets(description, 100, stdin);  
        description[strcspn(description,  
"\n")] = 0; // Remove newline character  
        addTask(&head, description);  
        break;  
  
    case 2:  
        displayTasks(head);  
        break;  
  
    case 3:  
        printf("Enter task number to  
delete: ");  
        scanf("%d", &taskNo);  
        deleteTask(&head, taskNo);  
        break;
```

case 4:

```
printf("Exiting program.\n");  
exit(0);
```

default:

```
printf("Invalid choice! Try again.
```

```
\n");
```

```
}
```

```
}
```

```
return 0;
```

```
}
```