

```
↳ #include <stdio.h>
#include <string.h>
#define SIZE 10
#define MAX_NAME 100
```

```
char queue [SIZE] [MAX_NAME];
```

```
int front = 0;
```

```
int rear = -1;
```

```
// Function to add a job
```

```
void addJob()
```

```
{ if (rear == SIZE - 1)
```

```
{ printf ("Queue is full. Cannot add more jobs.\n");
  return;
```

```
}
```

```
char job [MAX_NAME];
```

```
printf ("Enter job name : ");
```

```
scanf ("%s", job); // Read string with spaces
```

```
rear ++;
```

```
strcpy (queue [rear], job);
```

```
printf ("Job added : %s\n", job);
```

```
}
```

```
// Function to delete a job
```

```
void deleteJob()
```

```
{ if (front > rear)
```

```
{ printf ("Queue is empty. No job to delete.\n");
  return;
```

```
}
```

```
printf ("Job deleted : %s\n", queue [front]);
```

```
front ++;
```

```
}
```



```

// Function to display jobs
void displayJobs()
{
    if (front > rear)
    {
        printf("Queue is empty. No jobs to display.\n");
        return;
    }
    printf("Jobs in the queue:\n");
    for (int i = front; i <= rear; i++)
    {
        printf("- %s\n", queue[i]);
    }
}

```

```

// Main function
int main()
{
    int choice;
    while (1)
    {
        printf("\n --- Job Queue Menu ---\n");
        printf("1. Add Job\n");
        printf("2. Delete Job\n");
        printf("3. Display Jobs\n");
        printf("4. Exit\n");
        printf("Enter your choice : ");
        scanf("%d", &choice);
        if (choice == 1)
        {
            addJob();
        }
        else if (choice == 2)
        {
            deleteJob();
        }
        else if (choice == 3)
        {
            displayJobs();
        }
        else if (choice == 4)
        {
            break;
        }
    }
}

```



```

        § printf(" Invalid choice, Please try again.\n");
        §
    §
    return 0;
§

```

- Output :-

--- Job Queue Menu---

1. Add Job
2. Delete Job
3. Display Jobs
4. Exit

Enter your choice : 1

Enter job name : Compile report

Job added : Compile report

--- Job Queue Menu---

1. Add Job
2. Delete Job
3. Display Job
4. Exit

Enter your choice : 1

Enter Job name : Backup data

Job added : Backup data

--- Job Queue Menu---

1. Add Job
2. Delete Job
3. Display Jobs
4. Exit

Enter your choice : 3

Jobs in the queue :

Compile report

Backup data

--- Job Queue Menu ---

1. Add Job

2. Delete Job

3. Display Jobs

4. Exit

Enter your choice : 2

Job deleted : Compile report

--- Job Queue Menu ---

1. Add Job

2. Delete Job

3. Display Jobs

4. Exit

Enter Your choice : 3

Jobs in queue :

Backup data.

--- Job Queue Menu ---

1. Add Job

2. Delete Job

3. Display Jobs

4. Exit

Enter your choice : 4

Exiting program.