```c
#include <stdio.h>
#include<stdlib.h>
# define SIZE 100
void enqueue();
void dequeue();
void show();
int inp_arr[SIZE];
int Rear = - 1;
int Front = - 1;
main()
{
    int ch;
    while (1)
    {
        printf("1.Enqueue Operation\n");
        printf("2.Dequeue Operation\n");
        printf("3.Display the Queue\n");
        printf("4.Exit\n");
        printf("Enter your choice of operations : ");
        scanf("%d", &ch);
        switch (ch)
        {
            case 1:
            enqueue();
            break;
            case 2:
            dequeue();
            break;
```

```c
                case 3:
                show();
                break;
                case 4:
                exit(0);
                default:
                printf("Incorrect choice \n");
            }
        }
}

void enqueue()
{
    int insert_item;
    if (Rear == SIZE - 1)
        printf("Overflow \n");
    else
    {
        if (Front == - 1)
         Front = 0;
        printf("Element to be inserted in the Queue\n :
");
        scanf("%d", &insert_item);
        Rear = Rear + 1;
        inp_arr[Rear] = insert_item;
    }
}
```

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void dequeue()
{
    if (Front == - 1 || Front > Rear)
    {
        printf("Underflow \n");
        return ;
    }
    else
    {
        printf("Element deleted from the
Queue: %d\n", inp_arr[Front]);
        Front = Front + 1;
    }
}

void show()
{

    if (Front == - 1)
        printf("Empty Queue \n");
    else
    {
        printf("Queue: \n");
        for (int i = Front; i <= Rear; i++)
            printf("%d ", inp_arr[i]);
        printf("\n");
```

```
    }
}
```