```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#define max 100
int q[max], front=1, rear=-1;
void insert();
void delete();
void display();
void main()
       printf("Enter your choice\n");
        printf("1.Enqueue\n 2.Dequeue\n 3.Display\n 4.Exit\n");
       int choice=0;
       scanf("%d", & choice);
        switch(choice)
            insert();
            case 2:
            delete();
            display();
            printf("Incorrect Input\n");
void insert()
   printf("Enter value to be inserted\n");
```

```
if(rear==max-1)
   printf("Queue Overflow\n");
      rear=0;
      rear=rear+1;
void delete()
       printf("Queue Underflow\n");
       printf("%d has been deleted\n",q[front]);
       front=front+1;
void display()
   printf("The queue is-\n");
   printf("%d\t\t",q[i]);
   printf("\n");
```

```
PS C:\Users\kadab\OneDrive\Desktop\DS> gcc three.c
PS C:\Users\kadab\OneDrive\Desktop\DS> .\a.exe
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
Enter value to be inserted
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
Enter value to be inserted
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
Enter value to be inserted
3
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
3
The queue is-
               2
                               3
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
1 has been deleted
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
3
The queue is-
                3
Enter your choice
1.Enqueue
2.Dequeue
3.Display
4.Exit
PS C:\Users\kadab\OneDrive\Desktop\DS> []
```

