```c
#include<stdio.h>
#define n 5
int main()
{
    int queue[n],ch=1,front=0,rear=0,i,j=1,x=n;
    printf("Queue using Array");
    printf("\n1.Insertion \n2.Deletion \n3.Display \n4.Exit");
    while(ch)
    {
        printf("\nEnter the Choice:");
        scanf("%d",&ch);
        switch(ch)
        {
        case 1:
            if(rear==x)
                printf("\n Queue is Full");
            else
            {
                printf("\n Enter no %d:",j++);
                scanf("%d",&queue[rear++]);
            }
            break;
        case 2:
            if(front==rear)
            {
                printf("\n Queue is empty");
```

```cpp
30                  printf("\n Deleted Element is %d",queue[front++]);
31                  x++;
32              }
33          break;
34      case 3:
35          printf("\nQueue Elements are:\n ");
36          if(front==rear)
37              printf("\n Queue is Empty");
38          else
39          {
40              for(i=front; i<rear; i++)
41              {
42                  printf("%d",queue[i]);
43                  printf("\n");
44              }
45          break;
46      case 4:
47
48      default:
49          printf("Wrong Choice: please see the options");
50          }
51      }
52  }
53      return 0;
54  }
```

```
C:\Users\Dell\Documents\quea.exe

Queue using Array
1.Insertion
2.Deletion
3.Display
4.Exit
Enter the Choice:4
Wrong Choice: please see the options
Enter the Choice:1

 Enter no 1:3

Enter the Choice:1

 Enter no 2:4

Enter the Choice:2

 Deleted Element is 3
Enter the Choice:4
Wrong Choice: please see the options
Enter the Choice:
```