```cpp
#include <iostream>
#include<conio.h>
#include<stdlib.h>
#define max 5
Using namespace std;

int main()
{
    int queue[max],front=0,rear=-1;
    int ch=0, data,temp,count=0,count1,front1;
    clrscr();

    do
    {
        cout<<"\n1. Enqueue-Insert the element";
        cout<<"\n2. Dequeue-Delete the element";
        cout<<"\n3. Display the queue";
        cout<<"\n4. Quit";
        cout<<"\nEnter Your Choice ";
        cin>>ch;
    switch(ch)
    {
    case 1:
        if(count==max)
        cout<<"Queue is full";
        else
        {
        Cout<<"Enter data : ";
```

```cpp
      cin>>data;

       rear=(rear+1)%max;

      queue[rear]=data;

      count++;

      }

       count1=count;

       break;


case 2:

       if(count==0)

       cout<<"\nQueue is empty";

       else

       {

       data = queue[front];

       cout<<data<< " is delected\n";

       front=(front+1)%max;

        count--;

        }

       front1=front;

       break;


 case 3:

        count1=count;

       front1=front;

      if(count1==0)

       cout<<"\nQueue is empty";

      else.

      {

            while(count1>0)
```

```
                    {
                            cout<< queue[front1] << " ";

                            front1=(front1+1)%max;

                            count1--;

                    }

              }

         break;


    case 4: exit(0);

         }// end of switch case

         cout<<"Continue[1/0]";

         cin>>ch;


     }while(ch==1);
}// End of main
```

Output:

1. Enqueue-Insert the element
2. Dequeue-Delete the element
3. Display the queue
4. Quit

Enter Your Choice >>>1

Enter data : >>>1

Continue[1/0]>>>1

1. Enqueue-Insert the element
2. Dequeue-Delete the element
3. Display the queue
4. Quit

Enter Your Choice >>>1

Enter data : >>>2

Continue[1/0]>>>1

1. Enqueuer-Insert the element
2. Dequeue-Delete the element
3. Display the queue
4. Quit

Enter Your Choice >>>1

Enter data : >>>3

Continue[1/0]>>>1

1. Enqueue-Insert the element
2. Dequeue-Delete the element
3. Display the queue
4. Quit

Enter Your Choice >>>3

1 2 3 Continue[1/0]>>>1

1. Enqueue-Insert the element
2. Dequeue-Delete the element
3. Display the queue
4. Quit

Enter Your Choice >>>2

1 is delected

Continue[1/0]>>>1

1. Enqueue-Insert the element
2. Dequeue-Delete the element
3. Display the queue
4. Quit

Enter Your Choice >>>3

2 3 Continue[1/0]>>