QUEUE PROGRAM

**#include<iostream>**

**#include<conio.h>**

**#include<stdlib.h>**

**using namespace std;**

**class queue**

**{**

**int queue1[5];**

**int rear,front;**

**public:**

**queue()**

**{**

**rear=-1;**

**front=-1;**

**}**

**void insert(int x)**

**{**

**if(rear > 4)**

**{**

**cout <<"queue over flow";**

**front=rear=-1;**

**return;**

**}**

**queue1[++rear]=x;**

**cout <<"inserted" <<x;**

**}**

**void delet()**

**{**

**if(front==rear)**

**{**

**cout <<"queue under flow";**

**return;**

**}**

**cout <<"deleted" <<queue1[++front];**

**}**

**void display()**

**{**

**if(rear==front)**

**{**

**cout <<" queue empty";**

**return;**

**}**

**for(int i=front+1;i<=rear;i++)**

**cout <<queue1[i]<<" ";**

**}**

**};**

**main()**

**{**

**int ch;**

**queue qu;**

**while(1)**

**{**

**cout <<"\n1.insert 2.delet 3.display 4.exit\nEnter ur choice";**

**cin >> ch;**

**switch(ch)**

**{**

**case 1: cout <<"enter the element";**

**cin >> ch;**

**qu.insert(ch);**

**break;**

**case 2: qu.delet(); break;**

**case 3: qu.display();break;**

**case 4: exit(0);**

**}**

**}**

**return (0);**

**}**