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Assignment Name: Implement linear queue for integer
Class: MCA I
#include<iostream.h>
#include<conio.h>
#includeprocess.h>
class queue
      int f,r,q[10],n,i;
public:
      queue()
            f=r=0;
      }
      void insert();
      void del();
      void dis();
};
void queue::insert()
      if(r==3)
      cout<<"\nOverflow";</pre>
      else
       cout<<"\nEnter n";</pre>
       cin>>n;
       if(f==0)
          f=1;
          r++;
          q[r]=n;
      }
}
void queue::del()
{
      if(f==0)
      {
            cout<<"\nUnderflow";</pre>
            return;
      }
      else
            int n;
            n=q[f];
            if(f==r)
             f=r=0;
            else
             f++;
             cout<<"\nDeleted element is "<<n;</pre>
      }
void queue::dis()
      if(f==0)
      cout<<"\nUnderflow";</pre>
      else
       cout<<"\nElements in queue are:";</pre>
       for(i=f;i<=r;i++)
        cout << q[i] << "\t";
      }
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}
void main()
     clrscr();
     queue q;
     int ch;
     cout<<"\n 1.insert 2.display 3.delete 4. exit \n";</pre>
     while (ch!=4)
           cout<<"\nEnter ch:";</pre>
           cin>>ch;
           switch(ch)
                 case 1: q.insert(); break;
                 case 2: q.dis(); break;
                 case 3: q.del(); break;
                 case 4:exit(0);
      }
     getch();
}
*/ Output */
 1.insert 2.display 3.delete 4. exit
Enter ch:3
Underflow
Enter ch:1
Enter n10
Enter ch:1
Enter n20
Enter ch:1
Enter n30
Enter ch:1
Overflow
Enter ch:2
Elements in queue are:10
                               20
                                         30
Enter ch:3
Deleted element is 10
Enter ch:2
Elements in queue are:20
                                  30
Enter ch:4
```