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#include<iostream>
#include<conio.h>
using namespace std;
int f=-1;
int r=-1;
void en_queue(int q[],int x)
{if(f==-1)
{f=r=0;
q[r]=x;
}
else if(f==(r+1)%10)
{cout<<"queue is full\n";
return;}
else
{r=(r+1)%10;
q[r]=x;}
}
void de_queue(int q[],int &x)
{if(f<0 || f>r)
{cout<<"queue is empty\n";
return;}
else
{x=q[f];
if(f==r)
f=r=-1;
else
f=(f+1)%10;}
}
void print(int q[])
{ int i;
for(i=f;i!=r;i=(i+1)%10)
cout<<q[i]<<endl;
cout<<q[r]<<endl;
}
void main()
{int q[10];
int op;
int a,x;
do{
cout<<"press 1 to en_queue\n";
cout<<"press 2 to de_queue\n";
cout<<"press 3 to print\n";
cout<<"press 4 to exit\n";
cout<<"enter your choice\n";
cin>>op;
switch(op)
{case 1:
{cout<<"enter a number\n";
cin>>x;
en_queue(q,x);break;}
case 2:de_queue(q,x);break;
case 3:print(q);break;
case 4:break;}
cout<<"to exit priss 0 \n";
cin>>op;
}while(op!=0);
getch();
}

```

