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ASSIGNMENT 11

#include<iostream>

#define size 2

using namespace std;

class qjobs

{

public:

int jq[size],front,rear;

qjobs()

{

front=-1;

rear=-1;

}

int qfull();

int qempty();

void enqueue();

void dequeue();

void display();

}Q1;

int qjobs:: qfull()

{

if(rear==(size-1) && (front==0))

return 1;

else

return 0;

}

int qjobs::qempty()

{

if((front==-1) || (rear==-1))

return 1;

else

return 0;

}

void qjobs::enqueue()

{

int i;

if(qfull())

{

cout<<"Current Queue Is Full\t"<<endl;

return;

}

else

{

cout<<"JOBS"<<endl;

cout<<"1."<<endl;

cout<<"2."<<endl;

cout<<"3."<<endl;

cout<<"4."<<endl;

cout<<"5."<<endl;

cout<<"6."<<endl;

cout<<"Enter the job no.\t";

cin>>i;

if((front==-1) ||(rear==-1))

{

front++;

rear++;

}

else

{

rear++;

}

jq[rear]=i;

}

}

void qjobs::dequeue()

{

int j;

if(qempty())

{

cout<<"Current Queue Is Empty\t"<<endl;

return;

}

j=jq[front];

front++;

}

void qjobs::display()

{

int k;

for(k=front;k<=rear;k++)

{

cout<<jq[k]<<endl;

}

}

int main()

{

char c;

int ch;

do

{

cout<<"1.Add A New Job"<<endl;

cout<<"2.Delete A Job"<<endl;

cout<<"Enter your choice"<<endl;

cin>>ch;

switch(ch)

{

case 1: Q1.enqueue();

Q1.display();

break;

case 2: Q1.dequeue();

Q1.display();

break;

}

cout<<"Do u want to continue?"<<endl;

cin>>c;

}while(c=='y');

return 0;

}

