Pizza Parlour

#include<iostream>

#define max 10

using namespace std;

class queue{

public:

int front,rear;

string pizzaid[max];

queue(){

front=-1;

rear=-1;

}

bool is\_empty();

bool is\_full();

void addjob();

void deletejob();

void getfront();

};

bool queue::is\_empty(){

if(front==-1 && front==rear){

cout<<"queue is empty"<<endl;

return true;

}

else{

cout<<"queue is not empty"<<endl;

return false;

}

}

bool queue::is\_full(){

if(front==0 && rear==max-1){

cout<<"queue is full"<<endl;

return true;

}

else if(front!=0 && rear=max-1){

cout<<"queue is not full"<<endl;

return false;

}

}

void queue::addjob(){

if (is\_full())

{

cout<<"Queue is Full"<<endl;

}

else{

cout<<"Enter the pizza order number:"<<endl;

rear=(rear+1) % max;

cin>>pizzaid[rear];

cout<<"order is successfully added in job."<<endl;

}

}

void queue::deletejob(){

string d;

if(is\_empty()){

cout<<"Queue if empty "<<endl;

}

else{

front=(front+1) % max;

cout<<"Enter pizza order id: ";

cin>>pizzaid[front];

cout<<"order is successfully deleted."<<d<<endl;

}

}

void queue::getfront(){

string g;

if(is\_empty()){

cout<<" queue is empty"<<endl;

}

else{

g=pizzaid[front+1];

cout<<"Top Element in queue:"<<g<<endl;

}

}

int main(){

queue Q;

int choice,A;

while(1)

{

cout<<"Menu:\n 1.add order job\n2.delete order job\n3.display top order in queue\n4.exit\n";

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

cin>>choice;

string A[7];

cin>>A;

switch(choice){

case 1:Q.addjob(A);

break;

case 2:Q.deletejob();

break;

case 3:Q.getfront();

break;

case 4:cout<<"Thank you!!";

break;

default:

cout<<"Please Enter the valid choice:"<<endl;

}

}

return 0;

}