**INSERTION IN ARRAY QUEUE**

#include<iostream.h>

#include<stdlib.h>

#include<process.h>

int insert(int[],int);

void display(int[],int,int);

constint size=50;

int queue[size],front=-1,rear=-1;

int main()

{intitem,res; char ch='y';

while(ch=='y'||ch=='Y')

{cout<<"\n enter item for insertion";

cin>>item;

res=insert(queue,item);

if(res==-1)

{cout<<"overflow";

exit(1);

}

cout<<"now the queue is:\n";

display(queue,front,rear);

cout<<"\n want to insert more";

cin>>ch;

}

return 0;

}

int insert(int queue[],intele)

{if(rear==size-1)

return -1;

else if(rear==-1)

{front=rear=0;

queue[rear]=ele;

}

else

{rear++;

queue[rear]=ele;}

return 0;}

void display(int queue[],intfront,int rear)

{if(front==-1) return;

for(inti=front;i<rear;i++)

cout<<queue[i]<<"<-\t";

cout<<queue[rear]<<endl;

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

