#include<stdio.h>

#include<stdlib.h>

#define size 5

int front=-1,rear=-1;

int que[size];

void enque()

{

int ele;

printf("enter the elment");

scanf("%d",&ele);

if (rear==size-1)

printf("Que is full");

else

{

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

{

front=0;

rear=0;

}

else

rear=rear+1;

}

que[rear]=ele;

}

void deque()

{

int ele;

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

printf("que is empty");

else

{

ele=que[front];

if(front==rear)

{

front=-1;

rear=-1;

}

else

front=front+1;

}

printf("the deleted element is %d",ele);

}

void display()

{

int i;

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

printf("%d\t",que[i]);

}

int main ()

{

int choice;

while(1)

{

printf("\n \*\*\* Main Menu \*\*\* \n");

printf("1.Enque\n 2.Deque\n 3.Display\n 4.Exit\n");

printf("/nEnter the choice :");

scanf("%d",&choice);

switch(choice)

{

case 1: enque();break;

case 2: deque();break;

case 3: display();break;

case 4: exit(0);

default : printf("Enter 1 to 4");

}

}

return 0;

}