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#include <stdio.h>
#include <conio.h>
#define size 5
int queue[size];
int front=0,rear=0;
void main()
{
    int choice;
    void insert();
    void delet();
    void display();

    do
    {
        clrscr();
        printf("\n\t 1.Insert \\\ En-Queue");
        printf("\n\t 2.Delete \\\ De-Queue");
        printf("\n\t 3.Display");
        printf("\n\t 0.Exit");

        printf("\n\n\t Enter your choice:=");
        scanf("%d",&choice);

        switch(choice)
        {
            case 1: insert();  display();
                     break;
            case 2:  delet();  display();
                     break;
            case 3: display();
                     break;
            case 0: printf("\n\n\t End of program \\\ bye.....");
                     break;
            default: printf("Invalid choice");
                     break;
        }
        getch();
    }while(choice!=0);
}

void insert()
{
    if (rear==size)
    {
        printf("\n\t Queue is full");
    }
    else
    {
        printf("\n\t Enter any number := ");
        scanf("%d",&queue[rear]);
        rear++;
    }
}

void delet()
{
    if(rear == 0)
    {
        printf("\n\t Queue is empty");
    }
    else
    {

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        printf("\n\t Delete element is =%d",queue[front]);
        if(front == rear)
            front =0,rear=0;
        else
            front++;
    }
}
void display()
{
    int a;
    if(rear==0)
    {
        printf("\n\t Queue is empty");
    }
    else
    {
        for(a=front;a<rear;a++)
        {
            printf("\n\t %d",queue[a]);
        }
    }
}

```