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#include<stdio.h>
#define n 5
int main()
{
    int queue[n],ch=1,front=0,rear=0,i,j=1,x=n;
    printf("Queue using Array");
    printf("\n1.Insertion \n2.Deletion \n3.Display \n4.Exit");
    while(ch)
    {
        printf("\nEnter the Choice:");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1:
                if(rear==x)
                    printf("\n Queue is Full");
                else
                {
                    printf("\n Enter no %d:",j++);
                    scanf("%d",&queue[rear++]);
                }
                break;
            case 2:
                if(front==rear)
                {
                    printf("\n Queue is empty");
                }
                else
                {
                    printf("\n Deleted Element is %d",queue[front++]);
                    x++;
                }
                break;
            case 3:
                printf("\nQueue Elements are:\n ");
                if(front==rear)
                    printf("\n Queue is Empty");
                else

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        {
            for(i=front; i<rear; i++)
            {
                printf("%d",queue[i]);
                printf("\n");
            }
            break;
        case 4:
            exit(0);
        default:
            printf("Wrong Choice: please see the options");
        }
    }
}
return 0;
}

```

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OUTPUT:

```

Queue using Array
1.Insertion
2.Deletion
3.Display
4.Exit
Enter the Choice:1

Enter no 1:10

Enter the Choice:1

Enter no 2:54

Enter the Choice:1

Enter no 3:98

Enter the Choice:1

Enter no 4:234

Enter the Choice:3

Queue Elements are:
10
54
98

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234

Enter the Choice:2

Deleted Element is 10

Enter the Choice:3

Queue Elements are:

54

98

234

Enter the Choice:4