

DAYANAND

LINEAR QUEUE

IBM19CS043

```
void insert (int n, int q[], int ele)
```

```
{ if (rear == n-1)
{ printf ("Queue overflow\n");
}
else
{ rear ++;
  q[rear] = ele;
}
}
```

```
int delete (int a[])
```

```
{ int ele;
  if (front == -1)
  { printf ("Queue underflow\n");
  }
  else
  { ele = a[front];
    front ++;
    if (front > rear)
    { front = -1;
      rear = -1;
    }
    return ele;
  }
}
```



```
void display ( int q[] )
```

```
{ if (front == -1)
```

```
{ printf ("Queue is empty \n");
```

```
return
```

```
{ for (int c = front; c <= rear; c++)
```

```
{ printf ("%d", q[c]);
```

```
}
```

```
}
```