Week 6 :-

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Enqueue ()

```
if ((front == 0) && (Rear == N-1))
print "Overflow condition"
else
if (front == -1)
front = rear = 0
queue[rear] = data
priority[rear] = priority
else if (rear == N-1)
for(i = front; i <= rear; i++)
Q[i-front] = Q[i]
Pr[i-front] = Pr[i]
Rear = Rear-front
front = 0
for(i=r; i>f; i--)
if (p > Pr[i])
Q[i+1] = Q[i] & Pr[i+1] = Pr[i]
else
Q[i+1] = data Pr[i+1] = p
rear++
```

```
Dequeue ()
if (front == -1)
print ("Queue Under flow condition")
else
print 'Q[f], pr[f]"
if (front == rear)
front = rear = -1
 else
 front++

print ()
 for (i = front. i <= rear; i++)
 print (Q[i], pr[i])
```