AKASH
1BM18CS008

DATE

```
void enQ()
{
 int element;
 if((front==0 && rear==MAX-1)||(front==(rear+1)%MAX));
    printf("Q is full!\n");
 else
 {
  if(front==-1 && rear==-1)
    front=0;
  rear=(rear+1)%MAX;
  printf("Enter element:");
  scanf("%d",&element);
  Q[rear]=element;
 }
}
void deQ()
{
 if(rear==-1)
    printf("Q is empty");
 else if(front==rear)
 {
    printf("Element removed is %d\n",Q[front]);
    front=rear=-1;
}
else
 {
    printf("Element removed is %d\n",Q[front]);
    front=(front+1)%MAX;
 }
}
void display()
{
 if(rear==-1)
    printf("Q is empty");
 else if(front<=rear)
```

classmate

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```
    {
        for (int i = front; i<=rear; i++)
        printf("%d \t", a[i]);
        printf("\n");
    }
else
{
    for (int i = front; i<max; i++)
        printf("%d \t", a[i]);
    for (int i=0; i<=rear; i++)
        printf("%d \t", a[i]);
    printf("\n");
}
}
```