

Week 6
Priority Queue

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IBM19CS200

```
void create()
```

```
{  
    f = r = -1  
}
```

```
void insert()
```

```
{  
    if (n >= MAX-1)  
        // Overflow condition  
    {  
        if ((f == -1) && (r == -1))  
        {  
            f++;  
            r++;  
        }  
        else  
            check(data)  
            r++;  
    }  
}
```

```
void check(int data)
```

```
{  
    for (i = 0; i <= n; i++)  
    {  
        p[i] = p[i-1];  
    }  
    p[0] = data;  
    r++;  
}
```

```
{  
    p[f] = data;  
}
```