

WEEK 6
PRIORITY QUEUE

VAISHNAVI
JAGDAE
IBM19CS215

```
void create()
```

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

```
}
```

```
void insert()
```

```
{ if (r >= MAX-1)
```

```
{ overflow condition
```

```
}
```

```
if ((f == -1) && (r == -1))
```

```
{ f++;
```

```
r++;
```

```
}
```

```
else chunk(data)
```

```
r++;
```

```
}
```

```
void chunk(int data)
```

```
{ for (i=0; i<=r; i++)
```

```
{ if (data >= p[i])
```

```
{ for (j=r+1; j>1; j--)
```

```
{ p[j] = p[j-1];
```

```
}
```

```
p[i] = data;
```

```
}
```

```
} p[i] = data;
```

```
}
```