

## Multiple Priority queue:-

```
#include <stdio.h>
#define N 3
int queue[3][N];
int front[3] = {0, 0, 0};
int rear[3] = {-1, -1, -1};
int item, Pr;
int main()
{
    while(1)
    {
        Printf("PRIORITY QUEUE\n");
        Printf("*****\n");
        Printf("\n1: PInsert\n");
        Printf("\n2: PDelete\n");
        Printf("\n3: PDisplay\n");
        Printf("\n4: Exit\n");
        Printf("\nEnter the choice: \n");
        scanf("%d", &ch);
        switch(ch)
        {
            case 1: Printf("\nEnter the Priority number\n");
                    scanf("%d", &Pr);
```



```
if (Pr > 0 && Pr < 4);
```

```
    Pr insert (Pr-1);
```

```
else
```

```
    printf("only 3 Priority exists 1 2 3\n");
```

```
    break;
```

```
case 2 : Pr delete();
```

```
    break;
```

```
case 3 : display();
```

```
    break;
```

```
case 4 : exit(0);
```

```
}
```

```
}
```

```
return 0;
```

```
}
```