

Here is one example of running the program. The blue lines describe your input in the terminal.
The ID can be any short string.

Type in terminal: ./Firstname_Lastname

banner_id: 903900281
ID PRIORITY RUNTIME--->PCB[0]
Type in terminal: AA 1 1
ID PRIORITY RUNTIME--->PCB[1]
Type in terminal: BB 8 2
ID PRIORITY RUNTIME--->PCB[2]
Type in terminal: CC 2 3
ID PRIORITY RUNTIME--->PCB[3]
Type in terminal: DD 0 4
ID PRIORITY RUNTIME--->PCB[4]
Type in terminal: EE 0 5

```
banner_id: 903900281
ID PRIORITY RUNTIME--->PCB[0]
AA 1 1
ID PRIORITY RUNTIME--->PCB[1]
BB 8 2
ID PRIORITY RUNTIME--->PCB[2]
CC 2 3
ID PRIORITY RUNTIME--->PCB[3]
DD 0 4
ID PRIORITY RUNTIME--->PCB[4]
EE 0 5
```

Before run, the condition is:

ID PRIORITY RUNTIME STATUS

```
-----
AA      1      1      R
BB      8      2      R
CC      2      3      R
DD      0      4      R
EE      0      5      R
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      1          1      R
```

```
BB      7          1      R
```

```
CC      2          3      R
```

```
DD      0          4      R
```

```
EE      0          5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      1          1      R
```

```
BB      6          0      F
```

```
CC      2          3      R
```

```
DD      0          4      R
```

```
EE      0          5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      1          1      R
```

```
BB      6          0      F
```

```
CC      1          2      R
```

```
DD      0          4      R
```

```
EE      0          5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      0      0      F
```

```
BB      6      0      F
```

```
CC      1      2      R
```

```
DD      0      4      R
```

```
EE      0      5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      0      0      F
```

```
BB      6      0      F
```

```
CC      0      1      R
```

```
DD      0      4      R
```

```
EE      0      5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      0      0      F
```

```
BB      6      0      F
```

```
CC     -1      0      F
```

```
DD      0      4      R
```

```
EE      0      5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      0          0      F
```

```
BB      6          0      F
```

```
CC     -1          0      F
```

```
DD     -1          3      R
```

```
EE      0          5      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      0          0      F
```

```
BB      6          0      F
```

```
CC     -1          0      F
```

```
DD     -1          3      R
```

```
EE     -1          4      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
```

```
-----
```

```
AA      0          0      F
```

```
BB      6          0      F
```

```
CC     -1          0      F
```

```
DD     -2          2      R
```

```
EE     -1          4      R
```

```
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
-----
AA   0         0        F
BB   6         0        F
CC  -1         0        F
DD  -2         2        R
EE  -2         3        R
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
-----
AA   0         0        F
BB   6         0        F
CC  -1         0        F
DD  -3         1        R
EE  -2         3        R
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
-----
AA   0         0        F
BB   6         0        F
CC  -1         0        F
DD  -3         1        R
EE  -3         2        R
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
-----
AA   0         0        F
BB   6         0        F
CC  -1         0        F
DD  -4         0        F
EE  -3         2        R
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
-----
AA   0         0        F
BB   6         0        F
CC  -1         0        F
DD  -4         0        F
EE  -4         1        R
press any key to continue...
```

You can press enter

```
ID  PRIORITY  RUNTIME  STATUS
-----
AA   0         0        F
BB   6         0        F
CC  -1         0        F
DD  -4         0        F
EE  -5         0        F
press any key to continue...
```

You can press enter