

CPU Scheduling

Operating System-YBL

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01

Introduction

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OUR Project

We worked together as one group
members and help each other on all the
steps





02

Our code



OnlineGDB beta

online compiler and debugger for c/c++

code. compile. run. debug. share.

IDE

My Projects

Classroom **new**

Learn Programming

Programming Questions

Sign Up

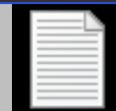
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main.c

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<string.h>
4
5 struct ProcessControlBlock{
6
7     char procID[10];
8     int arrival_time;
9     int burst_time;
10    int current_cpu_time;
11    int first_response_time;
12    int time_left;
13    int termination_time;
14    int response_time;
15    int waiting_time;
16
17 };
18
19
20 struct FIFONode{
21
22     struct ProcessControlBlock* process;
23     struct FIFONode* nextNode;
24
25 };
26
27
28 struct FIFOQueue{
29
```

To Try our code,
click here



Code OS.txt





03

Output





04

Dicreption

Features of Multilevel Feedback Queue Scheduling:

FIRST

It is more flexible

SECOND

It allows different processes to move between different queues.

THIRD

It prevents starvation by moving a process that waits too long from the lower priority queue to the higher priority queue.

Capabilities of Multilevel Feedback Queue Scheduling:

Accuracy of results
And
Customer responsiveness

FIRST

allows a process to move
between queues.

SECOND

keeps analyzing the
behavior (time of execution)
of processes and according
to which it
changes its priority

THIRD



How can use our program?

STEP 1

Enter Number of Process

STEP 2

Enter Bursent Time of process

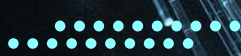
STEP 3

Enter Arrival Time of process

STEP 4

displaying the Response Time,
Throughput, and Average Waiting
Time





We Hope That Our Project Was clear

