

main.c [124] - Code::Blocks 20.03

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Debug

<global> main(): int

S C

Management

Projects Files FSy

Workspace

124

Sources main.c

main.c

```
1 #include<stdio.h>
2 #include<unistd.h>
3 int main()
4 {
5     printf("Process ID: %d\n", getpid());
6     printf("Parent Process ID: %d\n", getppid());
7 }
8
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\124\bin\Debug\124.exe

Process ID: 6924
Parent Process ID: 6924

Process returned 0 (0x0) execution time : 0.102 s
Press any key to continue.

Logs & others

Code::Blocks Search results

Checking for existence: C:\Users\hi\OneDri
Set variable: PATH=.;C:\Program Files\Code
(Program Files (x86)\Common Files\Oracle\J
\Windows\System32\OpenSSH;C:\altera\91sp2\
Executing: "C:\Program Files\CodeBlocks\cb

C:\Users\hi\OneDrive\Desktop\C\c\Easty\124\main.c

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main.c [124] - Code::Blocks 20.03

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Debug

<global> main(): int

S C

Management x

Projects Files FSy

Workspace 124 Sources main.c

```
#include<stdio.h>
int main()
{
    FILE *Sourcefile,*Destinationfile;
    char c;
    Sourcefile=fopen("C:/Users/hi/OneDrive/Desktop/OS/gs1.txt","r");
    if(Sourcefile==NULL)
    {
        printf("Error opening source file");
    }
    Destinationfile=fopen("C:/Users/hi/OneDrive/Desktop/OS/os12.txt","w");
    if(Destinationfile==NULL)
    {
        printf("Error opening destination file");
        fclose(Sourcefile);
    }
    while((c=fgetc(Sourcefile))!=EOF)
    {
        fputc(c,Destinationfile);
    }
    fclose(Sourcefile);
    fclose(Destinationfile);
    printf("File Copied successfully from source to destination");
}
```

Select C:\Users\hi\OneDrive\Desktop\C\c\Easy\124\bin\Debug\124.exe
File Copied successfully from source to destination
Process returned 0 (0x0) execution time : 0.155 s
Press any key to continue.

Logs & others

Code::Blocks Search results Ccc Build log Build messages CppCheck/V

```
Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\124\bin\Debug\124.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Python313\Python3.13;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\;C:\Users\hi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\;C:\Users\hi\AppData\Local\Temp\;C:\Users\hi\OneDrive\Desktop\C\c\Easy\124\bin\Debug\124.exe
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\124\bin\Debug\124.exe"
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\124\main.c C/C++ Windows

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File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

<global> main(): int

Management x

Projects Files FSy

sd

Sources main.c

```
1 #include <stdio.h>
2
3 int main() {
4     int n, bt[10], wt = 0, tat = 0, i;
5     printf("No. of processes: ");
6     scanf("%d", &n);
7     printf("Burst times:\n");
8     for(i = 0; i < n; i++) scanf("%d", &bt[i]);
9
10    printf("P\tBT\tWT\tTAT\n");
11    for(i = 0; i < n; i++) {
12        printf("P%d\t%d\t%d\t%d\n", i+1, bt[i], wt, wt + bt[i]);
13        tat += wt + bt[i];
14        wt += bt[i];
15    }
16    printf("Avg WT: %.2f\n", (float)(wt - bt[n-1]) / n);
17    printf("Avg TAT: %.2f\n", (float)tat / n);
18    return 0;
19
20 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sd\bin\Debug\sd.exe

No. of processes: 4

Burst times:

P	BT	WT	TAT
P1	2	0	2
P2	4	2	6
P3	6	6	12
P4	7	12	19

Avg WT: 3.00

Avg TAT: 9.75

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\sd\bin\Debug\sd.exe

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Soft\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32a

Process returned 0 (0x0) execution time : 8.484 s

Press any key to continue.

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe"

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sd\main.c

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36°C Sunny 10:59 PM 5/2/2025 ENG IN

main.c [sd] - Code::Blocks 20.03

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Debug

<global> main(): int

S C

Management x

Projects Files FSy

sd

Sources main.c

```
#include <stdio.h>
int main() {
    int n, bt[10], p[10], wt = 0, tat = 0, i, j, temp;
    printf("No. of processes: "); scanf("%d", &n);
    for(i = 0; i < n; i++) { printf("P%d BT: ", i+1); scanf("%d", &bt[i]); p[i] = i+1; }

    for(i = 0; i < n-1; i++)
        for(j = i+1; j < n; j++)
            if(bt[j] < bt[i]) { temp = bt[i]; bt[i] = bt[j]; bt[j] = temp; temp = p[i]; p[i] = p[j]; p[j] = temp; }

    printf("P\BT\tWT\tTAT\n");
    for(i = 0; i < n; i++) {
        printf("P%d\t%d\t%d\t%d\n", p[i], bt[i], wt, wt + bt[i]);
        tat += wt + bt[i];
        wt += bt[i];
    }
    printf("Avg WT: %.2f\nAvg TAT: %.2f\n", (float)(wt - bt[n-1]) / n, (float)tat / n);
    return 0;
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sd\bin\Debug\sd.exe

P	BT	WT	TAT
P1	2	0	2
P2	3	2	5
P3	5	5	10
P4	7	10	17
P5	9	17	26

No. of processes: 5
P1 BT: 2
P2 BT: 3
P3 BT: 5
P4 BT: 7
P5 BT: 9
P BT WT TAT
P1 2 0 2
P2 3 2 5
P3 5 5 10
P4 7 10 17
P5 9 17 26
Avg WT: 3.40
Avg TAT: 12.00
Process returned 0 (0x0) execution time : 9.620 s
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\UsePress any key to continue.

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sd\main.c

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ENG IN 11:03 PM 5/2/2025

main.c [dfghj] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

dfghj

Sources main.c

main.c x

```
#include <stdio.h>
int main() {
    int n, i, time = 0, smallest, remain = 0;
    printf("Enter number of processes: ");
    scanf("%d", &n);

    int at[n], bt[n], pr[n], rt[n];
    for (i = 0; i < n; i++) {
        printf("P%d AT BT PR: ", i+1);
        scanf("%d%d%d", &at[i], &bt[i], &pr[i]);
        rt[i] = bt[i];
    }

    int completed = 0, wt = 0, tat = 0;
    while (completed < n) {
        int min_pr = 999, idx = -1;
        for (i = 0; i < n; i++) {
            if (at[i] <= time && rt[i] > 0 && pr[i] < min_pr) {
                min_pr = pr[i];
                idx = i;
            }
        }

        if (idx == -1) { time++; continue; }

        rt[idx]--;
        if (rt[idx] == 0) {
            completed++;
            int finish = time;
            tat += finish - at[idx];
            wt += finish - at[idx] - ht[idx];
        }
    }
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dfghj\bin\Debug\dfghj.exe

Enter number of processes: 3
P1 AT BT PR: 0
5
3
P2 AT BT PR: 1
7
1
P3 AT BT PR: 2
34
2
Avg WT: 15.67
Avg TAT: 31.00

Process returned 0 (0x0) execution time : 33.051 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\dfghj\bin\Debug\dfghj.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Microsoft\Windows\DeliveryOptimization
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\dfghj\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dfghj\main.c C/C++ W

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3:12 PM 5/3/2025 ENG IN

main.c [sd] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

S C

Management x

Projects Files FSy

Workspace

sd

Sources main.c

```
1 #include <stdio.h>
2
3 int main() {
4     int n, bt[10], pr[10], wt = 0, tat = 0, i, j, temp;
5     printf("No. of processes: "); scanf("%d", &n);
6     for(i = 0; i < n; i++) {
7         printf("P%d BT & Priority: ", i+1);
8         scanf("%d%d", &bt[i], &pr[i]);
9         p[i] = i+1;
10    }
11
12    for(i = 0; i < n-1; i++) {
13        for(j = i+1; j < n; j++) {
14            if(pr[j] < pr[i]) {
15                temp = pr[i]; pr[i] = pr[j]; pr[j] = temp;
16                temp = bt[i]; bt[i] = bt[j]; bt[j] = temp;
17                temp = p[i]; p[i] = p[j]; p[j] = temp;
18            }
19
20            printf("P\tBT\tPR\tWT\tTAT\n");
21        for(i = 0; i < n; i++) {
22            printf("P%d\t%d\t%d\t%d\t%d\n", p[i], bt[i], pr[i], wt, wt + bt[i]);
23            tat += wt + bt[i];
24            wt += bt[i];
25        }
26
27        printf("Avg WT: %.2f\nAvg TAT: %.2f\n", (float)(wt - bt[n-1]) / n, (float)tat / n);
28        return 0;
29    }
30
31 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sd\bin\Debug\sd.exe

No. of processes: 4
P1 BT & Priority: 34
2
P2 BT & Priority: 56
4
P3 BT & Priority: 89
8
P4 BT & Priority: 57
1
P4 57 1 0 57
P1 34 2 57 91
P2 56 4 91 147
P3 89 8 147 236
Avg WT: 36.75
Avg TAT: 132.75

Process returned 0 (0x0) execution time : 23.577 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ mes

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sd\bin\Debug\sd.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files\Common Files\Oracle\Java\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Python313;C:\Windows\System32;C:\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\AppData\Local\Microsoft\WindowsApps;C:\Software\Microsoft\Windows\CurrentVersion\Uninstall*;C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sd\bin\Debug\sd.exe" (in C:\Users\hi\OneDrive\Desktop\C\c\Easty\sd\main.c)

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sd\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line

Type here to search

36°C Sunny 11:06 PM IN 5/2/2025

main.c [dfghj] - Code::Blocks 20.03

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Management x

Projects Files FSy

dfghj

Sources main.c

main.c x

```
#include <stdio.h>
int main() {
    int n, i, j, time = 0, min, idx;
    printf("Enter number of processes: ");
    scanf("%d", &n);

    int at[n], bt[n], ct[n], tat[n], wt[n], done[n];
    for (i = 0; i < n; i++) {
        printf("P%d AT BT: ", i+1);
        scanf("%d%d", &at[i], &bt[i]);
        done[i] = 0;
    }

    int completed = 0;
    while (completed < n) {
        min = 9999; idx = -1;
        for (i = 0; i < n; i++)
            if (!done[i] && at[i] <= time && bt[i] < min) {
                min = bt[i];
                idx = i;
            }

        if (idx == -1) { time++; continue; }

        time += bt[idx];
        ct[idx] = time;
        tat[idx] = ct[idx] - at[idx];
        wt[idx] = tat[idx] - bt[idx];
        done[idx] = 1;
        completed++;
    }
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe

Enter number of processes: 3

P1 AT BT: 3
5
P2 AT BT: 2
9
P3 AT BT: 4
8

PID	AT	BT	CT	TAT	WT
P1	3	5	16	13	8
P2	2	9	11	9	0
P3	4	8	24	20	12

Avg WT: 6.67
Avg TAT: 14.00

Process returned 0 (0x0) execution time : 13.057 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheckV

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Python313\DLLs;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\;C:\Windows\Microsoft.NET\assembly\GAC_MSIL\Microsoft.CSharp\v4.0_4.0.0.0__b03f5f7f11d50a3a;C:\Windows\Microsoft.NET\assembly\GAC_MSIL\System\v4.0_4.0.0.0__b77a5c561934e089;C:\Windows\Microsoft.NET\assembly\GAC_MSIL\System.Core\v4.0_4.0.0.0__b77a5c561934e089;C:\Windows\Microsoft.NET\assembly\GAC_MSIL\System.Xml\v4.0_4.0.0.0__b77a5c561934e089
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c

C/C++ Windows (ENGLISH) - WINDOWS-1252 - LINE 10, COL 22, POS 300 INSERT Read/Write Default

Type here to search

37°C Sunny

ENG IN 3:16 PM 5/3/2025

main.c [dfghj] - Code::Blocks 20.03

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Management x

Projects Files FSy

dfghj

Sources main.c

main.c x

```
#include <stdio.h>
int main() {
    int n, tq, time = 0, remain;
    printf("Enter number of processes and Time Quantum: ");
    scanf("%d%d", &n, &tq);

    int at[n], bt[n], rt[n], ct[n], wt[n], tat[n];
    for (int i = 0; i < n; i++) {
        printf("P%d AT BT: ", i+1);
        scanf("%d%d", &at[i], &bt[i]);
        rt[i] = bt[i];
    }

    remain = n;
    while (remain) {
        int done = 1;
        for (int i = 0; i < n; i++) {
            if (rt[i] > 0 && at[i] <= time) {
                done = 0;
                if (rt[i] > tq) {
                    time += tq;
                    rt[i] -= tq;
                } else {
                    time += rt[i];
                    ct[i] = time;
                    tat[i] = ct[i] - at[i];
                    wt[i] = tat[i] - bt[i];
                    rt[i] = 0;
                }
            }
        }
        if (done)
            remain--;
    }
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe

Enter number of processes and Time Quantum: 4

P1 AT BT: 3
34
P2 AT BT: 3
65
P3 AT BT: 1
89
P4 AT BT: 4
87

PID	AT	BT	CT	TAT	WT
P1	3	34	133	130	96
P2	3	65	230	227	162
P3	1	89	275	274	185
P4	4	87	276	272	185

Avg WT = 157.00
Avg TAT = 225.75

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfg
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBl
(Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Script
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloe;C:\Users\hi\AppData
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDri

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c C/C++

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ENG IN 3:20 PM 5/3/2025

*main.c [dfghj] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

S C

Management

Projects Files FSy

dfghj Sources main.c

```
*main.c X
1 #include <stdio.h>
2 #include <windows.h>
3
4 int main() {
5     HANDLE hMapFile = CreateFileMapping(INVALID_HANDLE_VALUE, NULL, PAGE_READWRITE, 0, 256, "SharedMemory");
6     if (hMapFile == NULL) {
7         printf("Could not create file mapping. Error: %d\n", GetLastError());
8         return 1;
9     }
10    LPVOID pBuf = MapViewOfFile(hMapFile, FILE_MAP_WRITE, 0, 0, 0);
11    if (pBuf == NULL) {
12        printf("Could not map view of file. Error: %d\n", GetLastError());
13        CloseHandle(hMapFile);
14        return 1;
15    }
16    sprintf((char*)pBuf, "Hello from Writer Process!");
17
18    printf("Data written to shared memory: 'Hello from Writer Process!'\n");
19    getchar();
20
21    UnmapViewOfFile(pBuf);
22    CloseHandle(hMapFile);
23
24    return 0;
25 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe

Data written to shared memory: 'Hello from Writer Process!'

Logs & others

Code::Blocks Search results Ccc Build log

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\PC\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\U

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c

Type here to search

37°C Sunny

ENG IN 3:27 PM 5/3/2025

main.c [dfghj] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global>

Management x

Projects Files FSy

dfghj Sources main.c

```
1 #include <stdio.h>
2 #include <windows.h>
3 #include <stdlib.h>
4
5 #define PIPE_NAME "\\\\.\\pipe\\SamplePipe"
6
7 int main() {
8     HANDLE hPipe;
9     DWORD dwRead, dwWritten;
10    char buffer[1024];
11    SECURITY_ATTRIBUTES sa = { sizeof(SECURITY_ATTRIBUTES), NULL, TRUE };
12
13    hPipe = CreateNamedPipe(PIPE_NAME, PIPE_ACCESS_DUPLEX, PIPE_TYPE_MESSAGE | PIPE_READMODE_MESSAGE | PIPE_WAIT,
14                           PIPE_UNLIMITED_INSTANCES, 1024, 1024, 0, &sa);
15    if (hPipe == INVALID_HANDLE_VALUE) {
16        printf("Failed to create pipe. Error: %lu\n", GetLastError());
17        return 1;
18    }
19
20    STARTUPINFO si = { sizeof(STARTUPINFO) };
21    PROCESS_INFORMATION pi;
22
23    if (!CreateProcess(NULL, "child_program.exe", NULL, NULL, FALSE, 0, NULL, NULL, &si, &pi)) {
24        printf("CreateProcess failed with error %lu\n", GetLastError());
25        CloseHandle(hPipe);
26        return 1;
27    }
28
29    Sleep(1000);
30    ConnectNamedPipe(hPipe, NULL);
31 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe

CreateProcess failed with error 2

Process returned 1 (0x1) execution time : 0.078 s

Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloe;C:\Users\

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c"

Type here to search

37°C Mostly sunny

ENG IN 3:54 PM 5/3/2025

main.c [dfghj] - Code::Blocks 20.03

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Management x

Projects Files FSy

dfghj Sources main.c

```
5 void* print_message(void* thread_id) {
6     long tid = (long)thread_id;
7     printf("Hello from thread %ld\n", tid);
8     pthread_exit(NULL);
9 }
10
11
12 int main() {
13     pthread_t threads[NUM_THREADS];
14     int rc;
15     long t;
16
17     for (t = 0; t < NUM_THREADS; t++) {
18         printf("Main: creating thread %ld\n", t);
19         rc = pthread_create(&threads[t], NULL, print_message, (void*)t);
20         if (rc) {
21             printf("Error creating thread %ld: %d\n", t, rc);
22             return -1;
23         }
24     }
25
26     for (t = 0; t < NUM_THREADS; t++) {
27         pthread_join(threads[t], NULL);
28     }
29
30     printf("Main: All threads finished.\n");
31
32     return 0;
33 }
34
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe

Main: creating thread 0
Main: creating thread 1
Hello from thread 0
Main: creating thread 2
Hello from thread 1
Main: creating thread 3
Hello from thread 2
Main: creating thread 4
Hello from thread 3
Hello from thread 4
Main: All threads finished.

Process returned 0 (0x0) execution time : 0.078 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build message x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\lib;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c

Type here to search  Task View  File Explorer  Microsoft Excel  Microsoft Word  Microsoft Excel  42  37°C Mostly sunny  ENG IN 3:58 PM 5/3/2025 

main.c [dfghj] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global>

Management x

Projects Files FSy

Workspace dfghj Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <pthread.h>
4 #include <semaphore.h>
5
6 #define NUM_PHILOSOPHERS 5
7
8 sem_t mutex;
9 sem_t forks[NUM_PHILOSOPHERS];
10
11 void* philosopher(void* num) {
12     int phil = *(int*)num;
13
14     while (1) {
15         printf("Philosopher %d is thinking.\n", phil);
16         sleep(1);
17
18         sem_wait(&mutex);
19         sem_wait(&forks[phil]);
20         sem_wait(&forks[(phil + 1) % NUM_PHILOSOPHERS]);
21         sem_post(&mutex);
22
23         printf("Philosopher %d is eating.\n", phil);
24         sleep(2);
25
26         sem_post(&forks[phil]);
27         sem_post(&forks[(phil + 1) % NUM_PHILOSOPHERS]);
28     }
29
30     pthread_exit(NULL);
31 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe

Philosopher 3 is thinking.
Philosopher 0 is eating.
Philosopher 0 is thinking.
Philosopher 4 is eating.
Philosopher 2 is eating.
Philosopher 4 is thinking.
Philosopher 1 is eating.
Philosopher 3 is eating.
Philosopher 2 is thinking.
Philosopher 1 is thinking.
Philosopher 0 is eating.
Philosopher 3 is thinking.
Philosopher 0 is thinking.
Philosopher 4 is eating.
Philosopher 2 is eating.
Philosopher 4 is thinking.
Philosopher 2 is thinking.
Philosopher 3 is eating.
Philosopher 1 is eating.
Philosopher 3 is thinking.
Philosopher 1 is thinking.
Philosopher 0 is eating.
Philosopher 0 is thinking.
Philosopher 4 is eating.
Philosopher 2 is eating.
Philosopher 2 is thinking.
Philosopher 3 is eating.
Philosopher 1 is eating.
Philosopher 3 is thinking.
Philosopher 1 is thinking.
Philosopher 0 is eating.
Philosopher 0 is thinking.
Philosopher 4 is eating.
Philosopher 2 is eating.
Philosopher 2 is thinking.
Philosopher 3 is eating.
Philosopher 4 is thinking.
Philosopher 1 is eating.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck

```
Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Microsoft\WindowsApps;C:\Software\Microsoft V3 Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\bin\Debug\dfghj.exe" (in C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\.)
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dfghj\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 58, Col 1, Pos 1326 Insert Read/Write default

Type here to search

4:04 PM 5/3/2025

main.c [hi] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

allocate(char* name, int strategy) : void

Management x

Projects Files FSy

hi

Sources main.c

```
#include <stdio.h>
void allocate(char* name, int strategy) {
    int blocks[5] = {100, 500, 200, 300, 600};
    int pro[4] = {212, 417, 112, 426}, alloc[4] = {-1, -1, -1, -1};

    for (int i = 0; i < 4; i++) {
        int idx = -1;
        for (int j = 0; j < 5; j++) {
            if (blocks[j] >= pro[i]) {
                if (strategy == 0) { idx = j; break; }
                if (strategy == 1 && (idx == -1 || blocks[j] < blocks[idx])) idx = j;
                if (strategy == 2 && (idx == -1 || blocks[j] > blocks[idx])) idx = j;
            }
        }
        if (idx != -1) { alloc[i] = idx; blocks[idx] -= pro[i]; }
    }

    printf("\n%s Fit:\n", name);
    for (int i = 0; i < 4; i++)
        printf("Process %d -> %s\n", i + 1, alloc[i] != -1 ? "Allocated" : "Not Allocated");
}

int main() {
    allocate("First", 0);
    allocate("Best", 1);
    allocate("Worst", 2);
    return 0;
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\hi\bin\Debug\hi.exe

First Fit:

Process 1 -> Allocated
Process 2 -> Allocated
Process 3 -> Allocated
Process 4 -> Not Allocated

Best Fit:

Process 1 -> Allocated
Process 2 -> Allocated
Process 3 -> Allocated
Process 4 -> Allocated

Worst Fit:

Process 1 -> Allocated
Process 2 -> Allocated
Process 3 -> Allocated
Process 4 -> Not Allocated

Process returned 0 (0x0) execution time : 0.078 s

Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\hi\bin\Debug\hi.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Temp

C:\Users\hi\OneDrive\Desktop\C\c\Easy\hi\main.c

Type here to search

10:50 AM 5/5/2025

main.c [hi] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace

hi

Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <string.h>
3
4 struct Directory {
5     char fname[10][20];
6     int count;
7 }
8
9 int main() {
10     struct Directory dir;
11     dir.count = 0;
12     int choice;
13     char name[20];
14
15     while (1) {
16         printf("\n1. Create File\n2. Delete File\n3. Search File\n");
17         scanf("%d", &choice);
18
19         switch (choice) {
20             case 1:
21                 printf("Enter file name: ");
22                 scanf("%s", name);
23                 int exists = 0;
24                 for (int i = 0; i < dir.count; i++) {
25                     if (strcmp(name, dir.fname[i]) == 0) exists = 1;
26                 }
27                 if (exists) printf("file already exists!\n");
28                 else {
29                     strcpy(dir.fname[dir.count], name);
30                     dir.count++;
31                     printf("File created.\n");
32                 }
33             case 2:
34                 printf("Enter file name: ");
35                 scanf("%s", name);
36                 for (int i = 0; i < dir.count; i++) {
37                     if (strcmp(name, dir.fname[i]) == 0) {
38                         for (int j = i; j < dir.count - 1; j++) {
39                             strcpy(dir.fname[j], dir.fname[j + 1]);
40                         }
41                         dir.count--;
42                         printf("File deleted.\n");
43                     }
44                 }
45             case 3:
46                 printf("Enter file name: ");
47                 scanf("%s", name);
48                 for (int i = 0; i < dir.count; i++) {
49                     if (strcmp(name, dir.fname[i]) == 0) {
50                         printf("File found.\n");
51                     }
52                 }
53         }
54     }
55 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\hi\bin\Debug\hi.exe

1. Create File
2. Delete File
3. Search File
4. Display Files
5. Exit

Choice: 1
Enter file name: os1.pdf
File created.

1. Create File
2. Delete File
3. Search File
4. Display Files
5. Exit

Choice: 1
Enter file name: os2.ppt
File created.

1. Create File
2. Delete File
3. Search File
4. Display Files
5. Exit

Choice: 4
Files:
os1.pdf
os2.ppt

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\hi\bin\Debug\hi.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Softw...
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Mi...
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\hi\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easy\hi\main.c

C/C++ V1. Create File

Type here to search

Funniest Golden Retr... 10:56 AM ENG IN 5/5/2025

main.c [ijhb] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace

ijhb

Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <string.h>
3
4 struct File {
5     char name[20];
6 };
7
8 struct Directory {
9     char name[20];
10    struct File files[10];
11    int fileCount;
12 };
13
14 int main() {
15     struct Directory dirs[5];
16     int dirCount = 0;
17     int choice;
18     char dname[20], fname[20];
19
20     while (1) {
21         printf("\n1. Create Directory\n2. Create File");
22         scanf("%d", &choice);
23
24         switch (choice) {
25             case 1:
26                 printf("Enter directory name: ");
27                 scanf("%s", dirs[dirCount].name);
28                 dirs[dirCount].fileCount = 0;
29                 dirCount++;
30                 break;
31             case 2:
32         }
33     }
34 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\ijhb\bin\Debug\ijhb.exe

1. Create Directory
2. Create File
3. List
4. Exit
Enter choice: 2
Enter directory name: os12

1. Create Directory
2. Create File
3. List
4. Exit
Enter choice: 1
Enter directory name: os

1. Create Directory
2. Create File
3. List
4. Exit
Enter choice: 2
Enter directory name: dij

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build message x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\ijhb\bin\Debug\ijhb.exe

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\lib;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\OneDrive\Desktop\C\c\Easty\ijhb\bin\Debug\ijhb.exe

1. Create Directory
2. Create File
3. List
4. Exit
Enter choice: 3
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\ijhb\main.c"

Directory: os

C:\Users\hi\OneDrive\Desktop\C\c\Easty\ijhb\main.c

Type here to search

Biggest ever banking...

ENG IN 2:51 PM 5/6/2025



```
#include <stdio.h>
#include <stdlib.h>

struct Employee {
    int id;
    char name[20];
    float salary;
};

int main() {
    FILE *fp;
    struct Employee e;
    int choice, search_id;

    while (1) {
        printf("\n1.Add 2.View 3.Search 4.Exit:");
        scanf("%d", &choice);

        switch (choice) {
            case 1:
                fp = fopen("emp.dat", "ab");
                printf("Enter ID Name Salary: ");
                scanf("%d %s %f", &e.id, e.name, &e.salary);
                fwrite(&e, sizeof(e), 1, fp);
                fclose(fp);
                break;

            case 2:
                fp = fopen("emp.dat", "rb");
                while (fread(&e, sizeof(e), 1, fp))
                    printf("%d %s %f\n", e.id, e.name, e.salary);
                fclose(fp);
                break;
        }
    }
}
```

```
C:\Users\hi\OneDrive\Desktop\C\c\Easy\ijhb\bin\Debug\ijhb.exe
1.Add 2.View 3.Search 4.Exit: 1
Enter ID Name Salary: 123
Pooja
50000

1.Add 2.View 3.Search 4.Exit: 1
Enter ID Name Salary: 234
Bhargavi
50000

1.Add 2.View 3.Search 4.Exit: 2
123 Pooja 50000.00
234 Bhargavi 50000.00

1.Add 2.View 3.Search 4.Exit:
```

```
Logs & others
Code::Blocks X Search results X Ccc X Build log X Build
Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\ijhb\bin\Debug\ijhb.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\OneDrive\Desktop\C\c\Easy\ijhb\bin\Debug\ijhb.exe
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\ijhb\main.c"
```

main.c [qwertyuioppopijhfgds] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

S C

Management x

Projects Files FSy

Workspace

qwertyuioppopijhfgds

Sources

main.c

#include<stdio.h>
int main()
{
 int i,j, a[10],max[10],all,need[10],tot=0;
 for(i=0;i<5;i++)
 {
 printf("enter the allocation p%d:\n",i);
 scanf("%d",&a[i]);
 }
 for(i=0 ;i<5;i++)
 {
 printf("enter the max p%d:\n",i);
 scanf("%d",&max[i]);
 }
 printf("enter the available:");
 scanf("%d",&all);
 for(i=0;i<5;i++)
 {
 need[i]=max[i]-a[i];
 }
 for(i=0;i<5;i++)
 {if(need[i]<=all)
 {
 printf("p%d,",i);
 tot+=all+a[i];
 }
 }
 for(i=0;i<5;i++)
 {
 if(all<need[i])
 {
 printf("p%d,",i);
 }
 }
}

C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\bin\Debug\qwertyuioppopijhfgds.exe

enter the allocation p0:
565
enter the allocation p1:
456
enter the allocation p2:
897
enter the allocation p3:
980
enter the allocation p4:
789
enter the max p0:
576
enter the max p1:
687
enter the max p2:
546
enter the max p3:
786

Logs & others

Code::Blocks x Search results x Ccc x Build log x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\main.c
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\PYenter the available:122
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\main.c"
Process returned 0 (0x0) execution time : 33.428 s
Press any key to continue.

C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\main.c

Type here to search

Hot weather

ENG IN 10:16 AM 5/7/2025

main.c [qwertyuioppopijhfgds] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace

qwertyuioppopijhfgds

Sources

main.c

main.c x

```
1 #include <stdio.h>
2 #include <pthread.h>
3 #include <semaphore.h>
4
5 #define SIZE 5
6 int buffer[SIZE], in = 0, out = 0;
7
8 sem_t empty, full;
9 pthread_mutex_t mutex;
10
11 void* producer() {
12     for (int i = 1; i <= 5; i++) {
13         sem_wait(&empty);
14         pthread_mutex_lock(&mutex);
15
16         buffer[in] = i;
17         printf("Produced: %d\n", i);
18         in = (in + 1) % SIZE;
19
20         pthread_mutex_unlock(&mutex);
21         sem_post(&full);
22     }
23     return NULL;
24 }
25
26 void* consumer() {
27     int item;
28     for (int i = 1; i <= 5; i++) {
29         sem_wait(&full);
30         pthread_mutex_lock(&mutex);
31 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\bin\Debug\qwertyuioppopijhfgds.exe

```
Produced: 1
Consumed: 1
Produced: 2
Produced: 3
Produced: 4
Produced: 5
Consumed: 2
Consumed: 3
Consumed: 4
Consumed: 5
```

Process returned 0 (0x0) execution time : 0.065 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build

```
Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\main.c
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\Java\jdk1.8.0_261\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python\3.8.10\python3.8;C:\Windows\System32;OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\.;C:\Program Files\CodeBlocks\cb_console_runner.exe
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\main.c"
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\qwertyuioppopijhfgds\main.c

Type here to search

Breaking news

ENG IN 10:27 AM 5/7/2025

main.c [tfk] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace tfk Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <pthread.h>
3
4 int shared = 0;
5 pthread_mutex_t lock;
6
7 void* thread_func(void* arg) {
8     pthread_mutex_lock(&lock);
9
10    int val = shared;
11    printf("Thread %ld: read shared = %d\n", (long)arg, val);
12    val += 1;
13    shared = val;
14    printf("Thread %ld: updated shared = %d\n", (long)arg, shared);
15
16    pthread_mutex_unlock(&lock);
17    return NULL;
18}
19
20int main() {
21    pthread_t t1, t2;
22
23    pthread_mutex_init(&lock, NULL);
24
25    pthread_create(&t1, NULL, thread_func, (void*)1);
26    pthread_create(&t2, NULL, thread_func, (void*)2);
27
28    pthread_join(t1, NULL);
29    pthread_join(t2, NULL);
30
31    pthread_mutex_destroy(&lock);
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\tfk\bin\Debug\tfk.exe

Thread 1: read shared = 0
Thread 1: updated shared = 1
Thread 2: read shared = 1
Thread 2: updated shared = 2
Final value of shared = 2

Process returned 0 (0x0) execution time : 0.062 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck/Vera

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\tfk\bin\Debug\tfk.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Python\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\AppData\Local\Microsoft\Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\tfk\bin\Debug\tfk.exe"

C:\Users\hi\OneDrive\Desktop\C\c\Easty\main.c

C/C++ Windows

Type here to search 32°C Haze ENG IN 11:03 AM 5/7/2025

main.c [tfk] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global>

Management x

Projects Files FSy

Workspace tfk Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <pthread.h>
3 #include <semaphore.h>
4
5 int read_count = 0, data = 1;
6 sem_t wrt;
7 pthread_mutex_t mutex;
8
9 void* reader(void* arg) {
10     pthread_mutex_lock(&mutex);
11     read_count++;
12     if (read_count == 1)
13         sem_wait(&wrt);
14     pthread_mutex_unlock(&mutex);
15
16     printf("Reader read: %d\n", data);
17
18     pthread_mutex_lock(&mutex);
19     read_count--;
20     if (read_count == 0)
21         sem_post(&wrt);
22     pthread_mutex_unlock(&mutex);
23     return NULL;
24 }
25
26 void* writer(void* arg) {
27     sem_wait(&wrt);
28     data *= 2;
29     printf("Writer wrote: %d\n", data);
30     sem_post(&wrt);
31     return NULL;
32 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\tfk\bin\Debug\tfk.exe

Reader read: 1
Writer wrote: 2
Reader read: 2

Process returned 0 (0x0) execution time : 0.062 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\tfk\bin\Debug\tfk.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\OneDrive\Desktop\C\c\Easy\tfk\bin\Debug\tfk.exe
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\tfk\main.c"

Type here to search

Hot weather

ENG IN 11:09 AM 5/7/2025

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global>

Management x

Projects Files FSy

Workspace yu Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_BLOCKS 10
4 #define MAX_PROCESSES 10
5
6 void worstFit(int blocks[], int m, int processes[], int n) {
7     int allocation[n];
8     for (int i = 0; i < n; i++) allocation[i] = -1;
9
10    for (int i = 0; i < n; i++) {
11        int worstIndex = -1;
12        for (int j = 0; j < m; j++) {
13            if (blocks[j] >= processes[i] && (worstIndex == -1 || blocks[j] > blocks[worstIndex]))
14                worstIndex = j;
15        }
16        if (worstIndex != -1) {
17            allocation[i] = worstIndex;
18            blocks[worstIndex] -= processes[i];
19        }
20    }
21
22    printf("\nProcess No. Process Size Block No. Block");
23    for (int i = 0; i < n; i++) {
24        if (allocation[i] != -1)
25            printf("%d %d %d %d", i + 1, processes[i], allocation[i], blocks[i]);
26        else
27            printf("%d %d Not Allocated", i + 1, processes[i]);
28    }
29 }
30
31 int main() {
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\yu\bin\Debug\yu.exe

Enter number of blocks: 3
Enter block sizes: 32
34
Enter number of processes: 3
Enter process sizes: 45
45
23

Process No.	Process Size	Block No.	Block Size Left
1	34	3	11
2	45	Not Allocated	
3	23	2	11

Process returned 0 (0x0) execution time : 11.984 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\yu\bin\Debug\yu.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Temp;C:\Program Files\CodeBlocks\cb_console_runner.exe
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Deskt

C:\Users\hi\OneDrive\Desktop\C\c\Easty\yu\main.c C/C++

Type here to search

Gold 0.75% ENG IN 11:28 AM 5/9/2025

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace

yu

Sources main.c

```
#include <stdio.h>
#define MAX_BLOCKS 10
#define MAX_PROCESSES 10

void bestFit(int blocks[], int m, int processes[], int n) {
    int allocation[n];
    for (int i = 0; i < n; i++) allocation[i] = -1;

    for (int i = 0; i < n; i++) {
        int bestIndex = -1;
        for (int j = 0; j < m; j++) {
            if (blocks[j] >= processes[i] && (bestIndex == -1 || blocks[j] < blocks[bestIndex])) {
                bestIndex = j;
            }
        }

        if (bestIndex != -1) {
            allocation[i] = bestIndex;
            blocks[bestIndex] -= processes[i];
        }
    }

    printf("\nProcess No.\tProcess Size\tBlock No.\tBlock\n");
    for (int i = 0; i < n; i++) {
        if (allocation[i] != -1)
            printf("%d\t%d\t%d\t%d\n", i + 1, processes[i], allocation[i], blocks[i]);
        else
            printf("%d\t%d\tNot Allocated\n", i + 1, processes[i]);
    }
}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\yu\bin\Debug\yu.exe

Enter number of blocks: 4

Enter block sizes: 22

32

34

Enter number of processes: 3

Enter process sizes: 23

43

54

Process No.	Process Size	Block No.	Block Size Left
1	23	2	9
2	43	4	11
3	54	Not Allocated	

Process returned 0 (0x0) execution time : 52.466 s

Type here to search

31°C Haze

ENG IN 11:36 AM 5/9/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace sryixfchgk Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_BLOCKS 10
4 #define MAX_PROCESSES 5
5
6 void firstFit(int blockSize[], int m, int processSize[], int n) {
7     int allocation[n];
8
9     for (int i = 0; i < n; i++) {
10         allocation[i] = -1;
11     }
12
13     for (int i = 0; i < n; i++) {
14         for (int j = 0; j < m; j++) {
15             if (blockSize[j] >= processSize[i]) {
16                 allocation[i] = j;
17                 blockSize[j] -= processSize[i];
18                 break;
19             }
20         }
21     }
22
23     printf("\nProcess No.\tProcess Size\tBlock No.\n");
24     for (int i = 0; i < n; i++) {
25         if (allocation[i] != -1) {
26             printf("%d\t%d\t%d\n", i + 1,
27                   processSize[i], allocation[i]);
28         } else {
29             printf("%d\t%d\tNot Allocated\n", i + 1,
30                   processSize[i]);
31         }
32     }
33 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\bin\Debug\sryixfchgk.exe

Enter the number of memory blocks: 3
Enter the number of processes: 3
Enter the sizes of the blocks:
Block 1 size: 34
Block 2 size: 45
Block 3 size: 24
Enter the sizes of the processes:
Process 1 size: 12
Process 2 size: 53
Process 3 size: 56
Process No. Process Size Block No. Block Size Left
1 12 1 22
2 53 Not Allocated N/A
3 56 Not Allocated N/A

Process returned 0 (0x0) execution time : 11.493 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build message

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\bin\Debug\sryixfchgk.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\lib;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\;C:\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\bin\Debug

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\main.c"

Type here to search

37°C Haze

ENG IN 2:02 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

Management x

Projects Files FSy

Workspace sryixfchgk Sources main.c

```
1 #include <stdio.h>
2 #include <fcntl.h>
3 #include <unistd.h>
4 #include <sys/types.h>
5 #include <sys/stat.h>
6
7 int main() {
8     int fd;
9     char buffer[100];
10
11     fd = open("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", O_CREAT | O_WRONLY, S_IRUSR | S_IWUSR);
12     if (fd == -1) {
13         perror("Error opening file");
14         return 1;
15     }
16
17     write(fd, "Hello, UNIX System Calls!", 25);
18     close(fd);
19
20     fd = open("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", O_RDONLY);
21     if (fd == -1) {
22         perror("Error opening file for reading");
23         return 1;
24     }
25
26     read(fd, buffer, 100);
27     printf("File Content: %s\n", buffer);
28
29     close(fd);
30     return 0;
31 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

File Content: Hello, UNIX System Calls!

Process returned 0 (0x0) execution time : 0.079 s

Press any key to continue.

Logs & others

Code::Blocks Search results Ccc Build log Build messages

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Temp;C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c"

Type here to search

37°C Haze

ENG IN 2:31 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

Management

Projects Files FSy

sryixfchgk Sources main.c

```
1 #include <stdio.h>
2 #include <fcntl.h>
3 #include <unistd.h>
4 #include <sys/types.h>
5 #include <sys/stat.h>
6 #include <dirent.h>
7 #include <string.h>
8
9 int main() {
10     int fd = open("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", O_RDWR | O_CREAT, S_IRUSR | S_IWUSR);
11     if (fd == -1) {
12         perror("Error opening file");
13         return 1;
14     }
15
16     off_t offset = lseek(fd, 10, SEEK_SET);
17     if (offset == -1) {
18         perror("Error seeking in file");
19         close(fd);
20         return 1;
21     }
22     printf("Moved file pointer to position: %ld\n", offset);
23
24     struct stat fileStat;
25     if (stat("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", &fileStat) == -1) {
26         perror("Error getting file status");
27         close(fd);
28         return 1;
29     }
30     printf("File size: %ld bytes\n", fileStat.st_size);
31     printf("Last modified: %ld\n" fileStat.st_mtime);
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Moved file pointer to position: 10
File size: 427 bytes
Last modified: 1746866239

Reading directory contents:
File: .
File: ..
File: bin
File: main.c
File: obj
File: sryixfchgk.cbproj

Process returned 0 (0x0) execution time : 0.063 s
Press any key to continue.

Logs & others

Code::Blocks Search results Ccc C Build log Build messages CppCheck/Vera++

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program
Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Python
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\hi\AppData\Local\Microsoft\W
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c C/C++ Windows (C)

Type here to search 37°C Haze ENG IN 2:30 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

<global> main(): int

Management x

Projects Files FSy

Workspace sryixfchgk Sources main.c

#include <stdio.h>
#include <stdlib.h>

int main() {
 FILE *file;

 file = fopen("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", "w");
 if (file == NULL) {
 perror("Error opening file for writing");
 return 1;
 }
 fprintf(file, "This is a sample file for file management operations.\n");
 fprintf(file, "It demonstrates creating, writing, reading, appending, and deleting files.\n");
 fclose(file);

 file = fopen("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", "r");
 if (file == NULL) {
 perror("Error opening file for reading");
 return 1;
 }
 char line[256];
 printf("File contents:\n");
 while (fgets(line, sizeof(line), file)) {
 printf("%s", line);
 }
 fclose(file);

 file = fopen("C:/Users/hi/OneDrive/Desktop/OS/os1.txt", "a");
 if (file == NULL) {
 perror("Error opening file for appending");
 return 1;

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\bin\Debug\sryixfchgk.exe
File contents:
This is a sample file for file management operations.
It demonstrates creating, writing, reading, appending, and deleting files.

File contents after appending:
This is a sample file for file management operations.
It demonstrates creating, writing, reading, appending, and deleting files.
This is the appended line.
Error deleting the file: No such file or directory
Process returned 1 (0x1) execution time : 0.097 s
Press any key to continue.

Logs & others

Code::Blocks X Search results X Ccc X Build log X Build messages X CppCheck X

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\bin\Debug\sryixfchgk
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Softwa...
Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\YKZV4J3I
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\OS\os1.txt"

C:\Users\hi\OneDrive\Desktop\C\c\Easy\sryixfchgk\main.c C/C++ V

Type here to search

37°C Haze ENG IN 2:34 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

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Management x

Projects Files FSy

Workspace sryixfchgk Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <dirent.h>
4 #include <sys/types.h>
5 #include <sys/stat.h>
6 #include <unistd.h>
7
8 int main() {
9     DIR *dir;
10    struct dirent *entry;
11
12    dir = opendir(".");
13    if (dir == NULL) {
14        perror("Error opening directory");
15        return 1;
16    }
17
18    while ((entry = readdir(dir)) != NULL) {
19        if (entry->d_name[0] != '.') {
20            printf("%s\n", entry->d_name);
21        }
22    }
23
24    closedir(dir);
25    return 0;
26}
27
```

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build me

```
Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\b
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\Java\jre1.8.0_261\bin;C:\Windows\system32;C:\Windows;C:\Windows\WinSxS\Microsoft.Windows.Common-Controls_6595b641444de0pd\10.0.19041.1\;C:\Windows\system32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\b
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\b"
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c

Type here to search

37°C Haze

ENG IN 2:37 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins Doxygen Settings Help

Management x

Projects Files FSy

Workspace

sryixfchgk

Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4
5 int main(int argc, char *argv[]) {
6     if (argc != 3) {
7         printf("Usage: %s <pattern> <filename>\n", argv[0]);
8         return 1;
9     }
10
11     char *pattern = argv[1];
12     char *filename = argv[2];
13     FILE *file = fopen(filename, "r");
14
15     if (file == NULL) {
16         perror("Error opening file");
17         return 1;
18     }
19
20     char line[1024];
21     while (fgets(line, sizeof(line), file)) {
22         if (strstr(line, pattern)) {
23             printf("%s", line);
24         }
25     }
26
27     fclose(file);
28     return 0;
29 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Usage: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe <pattern> <filename>

Process returned 1 (0x1) execution time : 0.070 s

Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\lib;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\Altium Designer 21\bin;C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c"

Type here to search

2:40 PM 5/10/2025 ENG IN

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global>

Management x

Projects Files FSy

Workspace sryixfchgk Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <pthread.h>
3 #include <semaphore.h>
4 #include <unistd.h>
5
6 #define SIZE 5
7
8 int buffer[SIZE];
9 int in = 0, out = 0;
10
11 sem_t empty, full, mutex;
12
13 void* producer(void* arg) {
14     for (int i = 1; i <= 5; i++) {
15         sem_wait(&empty);
16         sem_wait(&mutex);
17         buffer[in] = i;
18         printf("Produced: %d\n", buffer[in]);
19         in = (in + 1) % SIZE;
20         sem_post(&mutex);
21         sem_post(&full);
22         sleep(1);
23     }
24     return NULL;
25 }
26
27 void* consumer(void* arg) {
28     for (int i = 1; i <= 5; i++) {
29         sem_wait(&full);
30         sem_wait(&mutex);
31         int item = buffer[out].
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Produced: 1
Consumed: 1
Produced: 2
Consumed: 2
Produced: 3
Produced: 4
Consumed: 3
Produced: 5
Consumed: 4

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build me

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\b...
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\...
\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python31...
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32al0em;C:\Users\...
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c

Type here to search

37°C Haze

ENG IN 2:43 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

Management

Projects Files FSy

Workspace

sryixfchgk

Sources main.c

```
1 #include <stdio.h>
2 #include <pthread.h>
3
4 void* threadFunction(void* arg) {
5     pthread_t current_id = pthread_self();
6     pthread_t passed_id = *(pthread_t*)arg;
7
8     if (pthread_equal(current_id, passed_id)) {
9         printf("Thread IDs are equal.\n");
10    } else {
11        printf("Thread IDs are not equal.\n");
12    }
13
14    printf("Thread will now exit.\n");
15    pthread_exit(NULL);
16}
17
18 int main() {
19     pthread_t thread;
20
21     pthread_create(&thread, NULL, threadFunction, &thread); // (i) Create
22     pthread_join(thread, NULL); // (ii) Join
23
24     printf("Main thread: Joined with the created thread.\n");
25
26     return 0;
27 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Thread IDs are equal.
Thread will now exit.
Main thread: Joined with the created thread.

Process returned 0 (0x0) execution time : 0.065 s
Press any key to continue.

Logs & others

Code::Blocks Search results Ccc Build log Build messages

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin\i686\mingw32\;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\system32;C:\Windows;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Temp;C:\Program Files\CodeBlocks\cb_console_runner.exe

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c"

C/C++

Type here to search

37°C Haze

ENG IN 2:46 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03:

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace

sryixfchgk

Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_FRAMES 3
4 #define MAX_PAGES 20
5
6 int main() {
7     int pages[MAX_PAGES], frames[MAX_FRAMES];
8     int n, i, j, pageFaults = 0, index = 0, found;
9
10    printf("Enter number of pages: ");
11    scanf("%d", &n);
12
13    printf("Enter page reference string: ");
14    for (i = 0; i < n; i++) {
15        scanf("%d", &pages[i]);
16    }
17
18    for (i = 0; i < MAX_FRAMES; i++) {
19        frames[i] = -1;
20    }
21
22    for (i = 0; i < n; i++) {
23        found = 0;
24
25        for (j = 0; j < MAX_FRAMES; j++) {
26            if (frames[j] == pages[i]) {
27                found = 1;
28                break;
29            }
30        }
31    }
32 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Enter number of pages: 4

Enter page reference string: 3

7

9

8

Frames: 3 - -

Frames: 3 7 -

Frames: 3 7 9

Frames: 8 7 9

Total Page Faults: 4

Process returned 0 (0x0) execution time : 10.646 s

Press any key to continue.

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build message x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\lib;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\Downloads

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c"

Type here to search

37°C Haze

ENG IN 2:50 PM 5/10/2025

main.c [sryixfchgk] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace sryixfchgk Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_FRAMES 3
4 #define MAX_PAGES 20
5
6 int findLRU(int time[], int n) {
7     int i, minimum = time[0], pos = 0;
8     for (i = 1; i < n; i++) {
9         if (time[i] < minimum) {
10             minimum = time[i];
11             pos = i;
12         }
13     }
14     return pos;
15 }
16
17 int main() {
18     int pages[MAX_PAGES], frames[MAX_FRAMES], time[MAX_FRAMES];
19     int n, i, j, pos, pageFaults = 0, count = 0, found;
20
21     printf("Enter number of pages: ");
22     scanf("%d", &n);
23
24     printf("Enter page reference string: ");
25     for (i = 0; i < n; i++) {
26         scanf("%d", &pages[i]);
27     }
28
29     for (i = 0; i < MAX_FRAMES; i++) {
30         frames[i] = -1;
31     }

```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe

Enter number of pages: 9
Enter page reference string: 2
3
4
1
2
4
1
3
Frames: 2 - -
Frames: 2 3 -
Frames: 2 3 4
Frames: 1 3 4
Frames: 1 2 4
Frames: 1 2 4
Frames: 1 3 4
Frames: 1 3 2
Total Page Faults: 7
Process returned 0 (0x0) execution time : 7.214 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\lib;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Microsoft\WindowsApps;C:\Software\Microsoft V3 Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\bin\Debug\sryixfchgk.exe" (in C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\.)

C:\Users\hi\OneDrive\Desktop\C\c\Easty\sryixfchgk\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 69, Col 1, Pos 1602 Insert Read/Write default

Type here to search

2:54 PM IN 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_FRAMES 3
4 #define MAX_PAGES 20
5
6 int predict(int pages[], int frames[], int n, int index) {
7     int res = -1, farthest = index;
8     for (int i = 0; i < MAX_FRAMES; i++) {
9         int j;
10        for (j = index; j < n; j++) {
11            if (frames[i] == pages[j]) {
12                if (j > farthest) {
13                    farthest = j;
14                    res = i;
15                }
16                break;
17            }
18        }
19        if (j == n) return i;
20    }
21    return res == -1 ? 0 : res;
22}
23
24int main() {
25    int pages[MAX_PAGES], frames[MAX_FRAMES];
26    int n, pageFaults = 0, i, j, found, filled =
27
28    printf("Enter number of pages: ");
29    scanf("%d", &n);
30
31    printf("Enter page reference string: ")
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe

Enter number of pages: 9
Enter page reference string: 3
4
1
2
4
2
4
1
2
Frames: 3 - -
Frames: 3 4 -
Frames: 3 4 1
Frames: 2 4 1
Total Page Faults: 4

Process returned 0 (0x0) execution time : 7.875 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build m

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python3\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c"

Type here to search 37°C Haze ENG IN 9:52 PM 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <string.h>
3
4 #define MAX_RECORDS 100
5
6 typedef struct {
7     int record_id;
8     char data[100];
9 } Record;
10
11 int main() {
12     Record file[MAX_RECORDS];
13     int total_records, i, access_id;
14
15     printf("Enter number of records: ");
16     scanf("%d", &total_records);
17
18     for (i = 0; i < total_records; i++) {
19         file[i].record_id = i;
20         printf("Enter data for record %d: ", i);
21         scanf("%s", file[i].data);
22     }
23
24     printf("Enter the record number to access (0 to %d): ", total_records);
25     scanf("%d", &access_id);
26
27     if (access_id < 0 || access_id >= total_records) {
28         printf("Invalid record number.\n");
29     } else {
30         printf("Accessing records sequentially:\n");
31         for (i = 0; i <= access_id; i++) {
32             printf("Record %d: %s\n", i, file[i].data);
33         }
34     }
35 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\Debug\dtykg.exe

```
Enter number of records: 9
Enter data for record 0: 2
Enter data for record 1: 1
Enter data for record 2: 3
Enter data for record 3: 1
Enter data for record 4: 3
Enter data for record 5: 2
Enter data for record 6: 1
Enter data for record 7: 3
Enter data for record 8: 1
Enter the record number to access (0 to 8): 4
Accessing records sequentially:
Record 0: 2
Record 1: 1
Record 2: 3
Record 3: 1
Record 4: 3
```

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build m

```
Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\De
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files
\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python31
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\main.c

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main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_BLOCKS 100
4
5 int main() {
6     int indexBlock[MAX_BLOCKS];
7     int fileBlocks[MAX_BLOCKS];
8     int n, i, block;
9
10    printf("Enter number of blocks in the file: ");
11    scanf("%d", &n);
12
13    printf("Enter block numbers allocated to the file:\n");
14    for (i = 0; i < n; i++) {
15        scanf("%d", &fileBlocks[i]);
16    }
17
18    for (i = 0; i < n; i++) {
19        indexBlock[i] = fileBlocks[i];
20    }
21
22    printf("\nIndex Block:\n");
23    for (i = 0; i < n; i++) {
24        printf("Index %d -> Block %d\n", i, indexBlock[i]);
25    }
26
27    printf("\nEnter index to access block (0 to %d): ", n);
28    scanf("%d", &block);
29
30    if (block >= 0 && block < n) {
31        printf("Accessing block at index %d: Block %d\n", block, indexBlock[block]);
32    }
33}
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe

Enter number of blocks in the file: 6
Enter block numbers allocated to the file:
13
24
12
68
13
36

Index Block:
Index 0 -> Block 13
Index 1 -> Block 24
Index 2 -> Block 12
Index 3 -> Block 68
Index 4 -> Block 13
Index 5 -> Block 36

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build me

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\Java\jre1.8.0_261\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python310\Scripts;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c

Type here to search

37°C Haze

ENG IN 10:10 PM 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 #define MAX_BLOCKS 100
4
5 typedef struct Block {
6     int data;
7     int next;
8 } Block;
9
10 int main() {
11     Block disk[MAX_BLOCKS];
12     int n, i;
13     int start, end;
14
15     printf("Enter number of blocks in the file: ");
16     scanf("%d", &n);
17
18     printf("Enter block numbers (in order of linkage):\n");
19     for (i = 0; i < n; i++) {
20         scanf("%d", &disk[i].data);
21     }
22
23     for (i = 0; i < n - 1; i++) {
24         disk[i].next = i + 1;
25     }
26     disk[n - 1].next = -1;
27
28     start = 0;
29     end = n - 1;
30
31     printf("\nDirectory:\nStart Block = %d, End Block = %d\n", start, end);
32 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\Debug\dtykg.exe

Enter number of blocks in the file: 6
Enter block numbers (in order of linkage):
34
54
56
76
87
99

Directory:
Start Block = 0, End Block = 5

File Block Traversal:
Block 34 -> Block 54 -> Block 56 -> Block 76 -> Block 87 -> Block 99 -> NULL

Process returned 0 (0x0) execution time : 38.198 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\Debug\dtykg
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Temp\cbTempDir;C:\Program Files\CodeBlocks\cb_console_runner.exe
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\main.c

C/C++

Type here to search

37°C Haze

ENG IN 10:19 PM 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
3 int main() {
4     int request[100], n, head, i;
5     int totalSeek = 0, distance;
6
7     printf("Enter the number of disk I/O requests: ");
8     scanf("%d", &n);
9
10    printf("Enter the request queue: ");
11    for (i = 0; i < n; i++) {
12        scanf("%d", &request[i]);
13    }
14
15    printf("Enter initial head position: ");
16    scanf("%d", &head);
17
18    printf("\nOrder of servicing:\n%d", head);
19    for (i = 0; i < n; i++) {
20        distance = abs(request[i] - head);
21        totalSeek += distance;
22        head = request[i];
23        printf(" -> %d", head);
24    }
25
26
27    printf("\n\nTotal Seek Time = %d\n", totalSeek);
28    printf("Average Seek Time = %.2f\n", (float)totalSeek / n);
29
30    return 0;
31
32 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\Debug\dtykg.exe

Enter the number of disk I/O requests: 5
Enter the request queue: 2
9
5
7
3
Enter initial head position: 2
Order of servicing:
2 -> 2 -> 9 -> 5 -> 7 -> 3

Total Seek Time = 17
Average Seek Time = 3.40

Process returned 0 (0x0) execution time : 15.017 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\Debug\dtykg.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts;C:\Software\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Local\Microsoft\Windows\DeliveryOptimization;C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\CDT\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\main.c

C/C++ V

Type here to search

37°C Haze

ENG IN 10:24 PM 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void sort(int arr[], int n) {
5     int i, j, temp;
6     for (i = 0; i < n - 1; i++)
7         for (j = 0; j < n - i - 1; j++)
8             if (arr[j] > arr[j + 1]) {
9                 temp = arr[j];
10                arr[j] = arr[j + 1];
11                arr[j + 1] = temp;
12            }
13        }
14
15 int main() {
16     int request[100], n, head, disk_size, direction;
17
18     printf("Enter number of disk I/O requests: ");
19     scanf("%d", &n);
20
21     printf("Enter the request queue: ");
22     for (i = 0; i < n; i++)
23         scanf("%d", &request[i]);
24
25     printf("Enter initial head position: ");
26     scanf("%d", &head);
27
28     printf("Enter total disk size: ");
29     scanf("%d", &disk_size);
30
31     printf("Enter direction (0 for left, 1 for right): ");

```

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\Debug\dtykg.exe

Enter number of disk I/O requests: 4
Enter the request queue: 12
34
56
13
Enter initial head position: 2
Enter total disk size: 4
Enter direction (0 for left, 1 for right): 25

Order of servicing:
2 -> 0 -> 12 -> 13 -> 34 -> 56

Total Seek Time = 58
Average Seek Time = 14.50

Process returned 0 (0x0) execution time : 17.491 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build me

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\bin\De
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files
(x86)\Common Files\Oracle\Java\javapath;C:\Software\Python31
\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi

C:\Users\hi\OneDrive\Desktop\C\c\Easty\dtykg\main.c

Type here to search

37°C Haze

ENG IN 10:28 PM 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

S C

Management

Projects Files FSy

Workspace dtykg Sources main.c

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void sort(int arr[], int n) {
5     int i, j, temp;
6     for (i = 0; i < n - 1; i++)
7         for (j = 0; j < n - i - 1; j++)
8             if (arr[j] > arr[j + 1]) {
9                 temp = arr[j];
10                arr[j] = arr[j + 1];
11                arr[j + 1] = temp;
12            }
13        }
14
15 int main() {
16     int request[100], n, head, disk_size, i, totalSeek
17
18     printf("Enter number of disk I/O requests: ");
19     scanf("%d", &n);
20
21     printf("Enter the request queue: ");
22     for (i = 0; i < n; i++)
23         scanf("%d", &request[i]);
24
25     printf("Enter initial head position: ");
26     scanf("%d", &head);
27
28     printf("Enter total disk size: ");
29     scanf("%d", &disk_size);
30
31     request[n++ = head];
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe

Enter number of disk I/O requests: 6
Enter the request queue: 24
13
53
64
3
53
Enter initial head position: 23
Enter total disk size: 53
Order of servicing:
23 -> 24 -> 52 -> 53 -> 53 -> 64 -> 0 -> 0 -> 3 -> 13
Total Seek Time = 106
Average Seek Time = 17.67

Process returned 0 (0x0) execution time : 12.746 s
Press any key to continue.

Logs & others

Code::Blocks Search results Ccc Build log Build messages

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Software\Python313\Scripts\Windows\System32\OpenSSH;C:\altera\91sp2\modelsim_ase\win32aloem;C:\Users\hi\AppData\Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c"

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c C/C++

Type here to search

37°C Haze ENG IN 10:32 PM 5/10/2025

main.c [dtykg] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Management x

Projects Files FSy

Workspace dtykg Sources main.c

main.c x

```
1 #include <stdio.h>
2
3 int main() {
4     char filename[100];
5
6     printf("Enter filename: ");
7     scanf("%s", filename);
8
9     printf("\nFile permissions for %s:\n", filename);
10    printf("-----\n");
11
12    char command[150];
13    sprintf(command, "ls -l %s", filename);
14    system(command);
15
16    return 0;
17
18 }
```

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe

Enter filename: os.123

File permissions for os.123:

'ls' is not recognized as an internal or external command,
operable program or batch file.

Process returned 0 (0x0) execution time : 4.390 s
Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build x

Checking for existence: C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\bin\Debug\dtykg.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin
(Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Windows\System32;C:\altera\91sp2\modelsim_ase\win
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.

C:\Users\hi\OneDrive\Desktop\C\c\Easy\dtykg\main.c

Type here to search 37°C Haze ENG IN 10:36 PM 5/10/2025