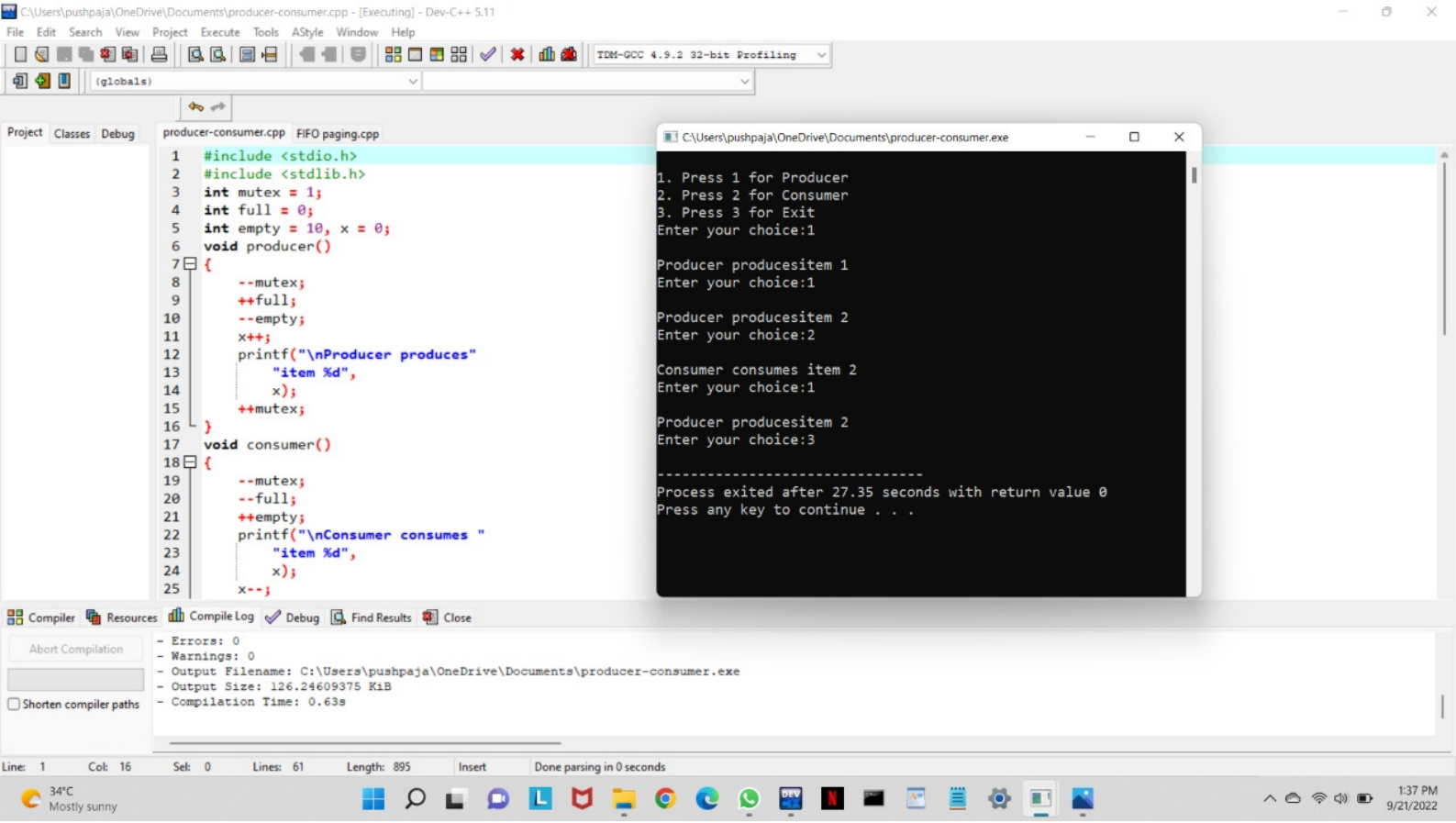
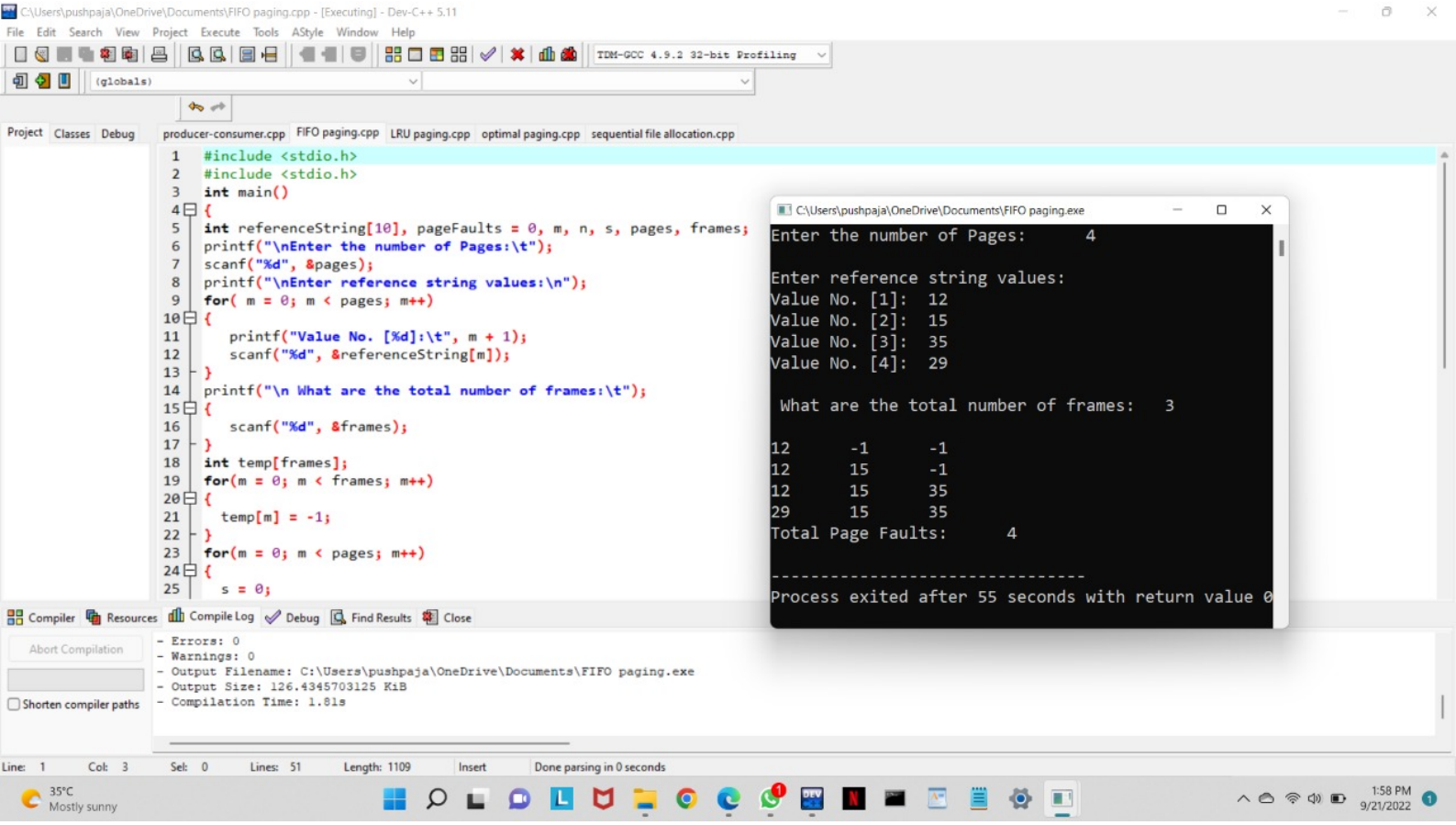
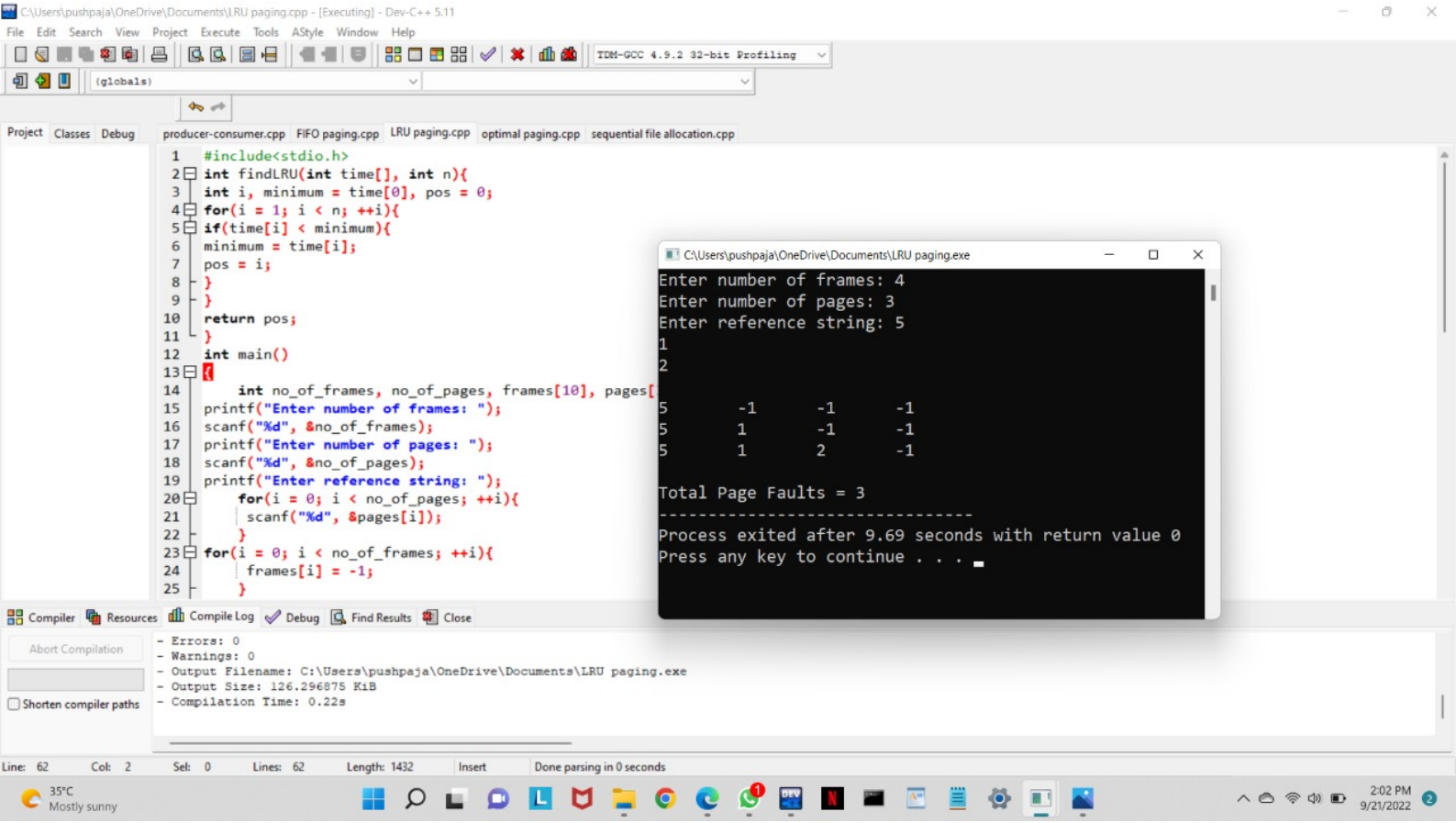
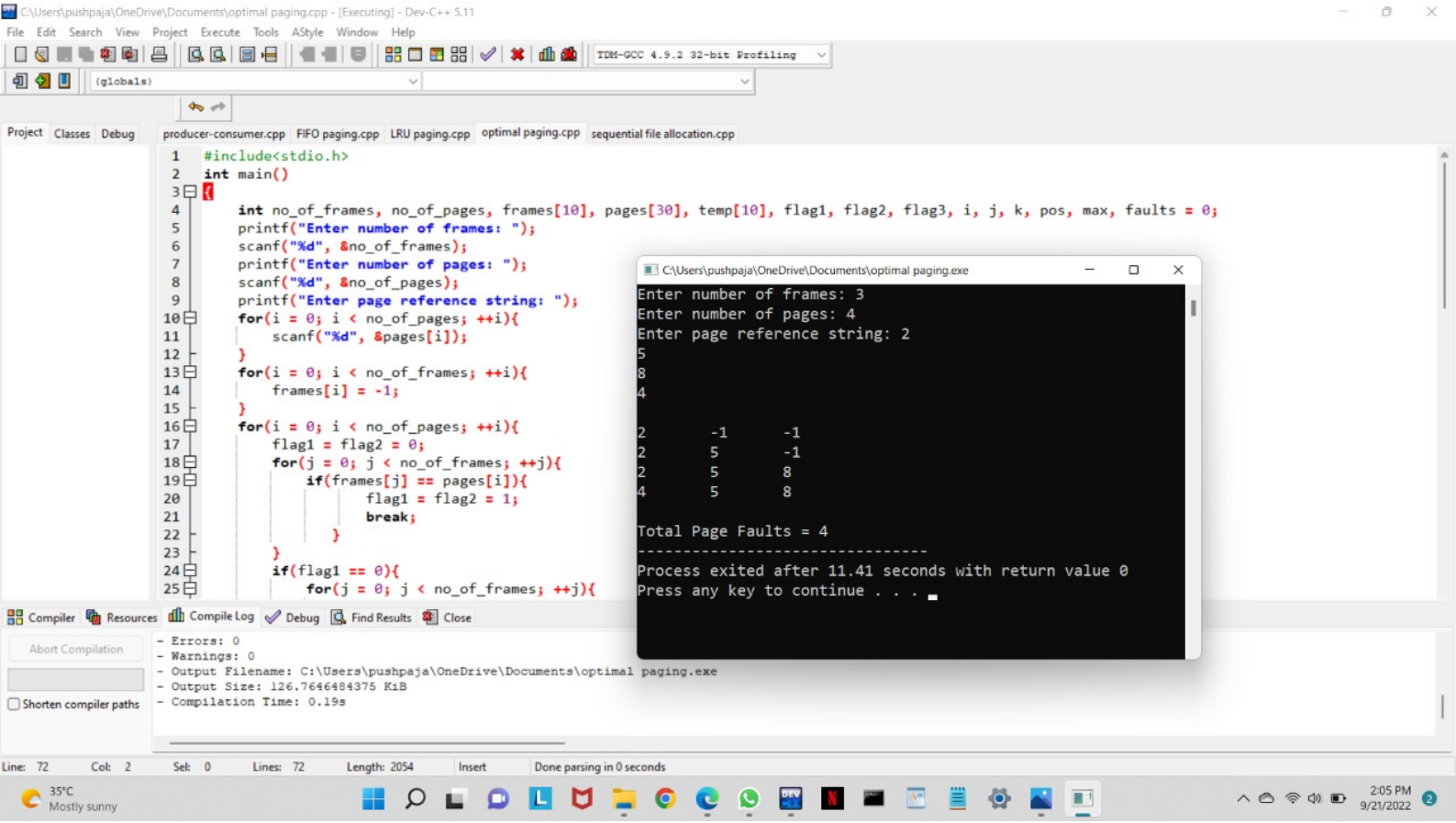
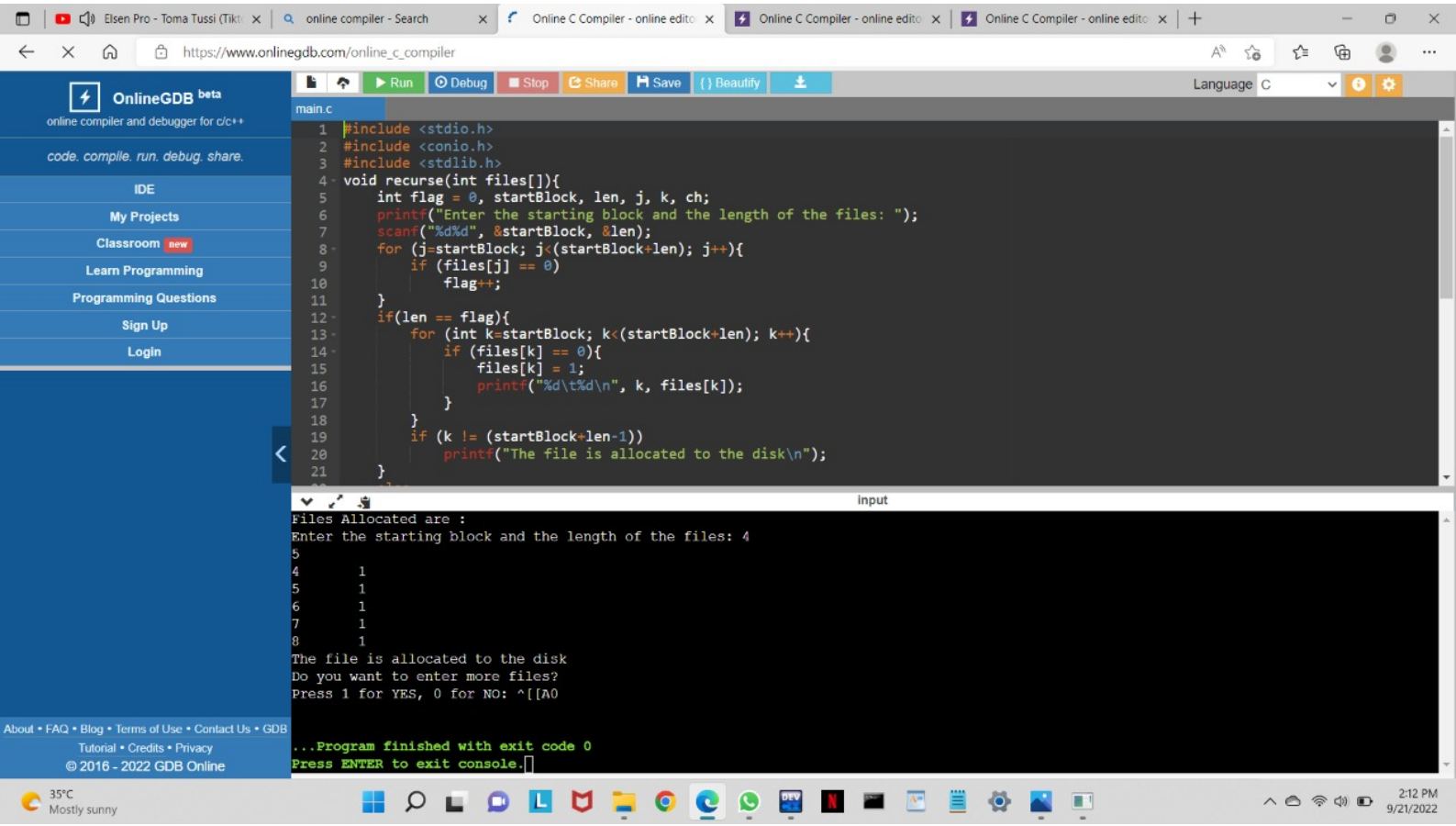

C:\Users\pushpaja\OneDrive\Documents\producer-consumer.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 32-bit Profiling
(globals)
Project Classes Debug
producer-consumer.cpp FIFO paging.cpp
#include <stdio.h>
#include <stdlib.h>
int mutex = 1;
int full = 0;
int empty = 10, x = 0;
void producer()
{
--mutex;
++full;
--empty;
x++;
printf("\nProducer produces"
"item %d",
x);
++mutex;
}
void consumer()
{
--mutex;
--full;
++empty;
printf("\nConsumer consumes "
"item %d",
x);
x--;
C:\Users\pushpaja\OneDrive\Documents\producer-consumer.exe
1. Press 1 for Producer
2. Press 2 for Consumer
3. Press 3 for Exit
Enter your choice:1
Producer producesitem 1
Enter your choice:1
Producer producesitem 2
Enter your choice:2
Consumer consumes item 2
Enter your choice:1
Producer producesitem 2
Enter your choice:3
Process exited after 27.35 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\pushpaja\OneDrive\Documents\producer-consumer.exe
- Output Size: 126.24609375 KiB
- Compilation Time: 0.63s
Line: 1 Col: 16 Sel: 0 Lines: 61 Length: 895 Insert Done parsing in 0 seconds
34°C
Mostly sunny
1:37 PM
9/21/2022


C:\Users\pushpaja\OneDrive\Documents\FIFO paging.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 32-bit Profiling
(globals)
Project Classes Debug
producer-consumer.cpp FIFO paging.cpp LRU paging.cpp optimal paging.cpp sequential file allocation.cpp
#include <stdio.h>
#include <stdio.h>
int main()
{
int referenceString[10], pageFaults = 0, m, n, s, pages, frames;
printf("\nEnter the number of Pages:\t");
scanf("%d", &pages);
printf("\nEnter reference string values:\n");
for(m = 0; m < pages; m++)
{
printf("Value No. [%d]:\t", m + 1);
scanf("%d", &referenceString[m]);
}
printf("\n What are the total number of frames:\t");
{
scanf("%d", &frames);
}
int temp[frames];
for(m = 0; m < frames; m++)
{
temp[m] = -1;
}
for(m = 0; m < pages; m++)
{
s = 0;
C:\Users\pushpaja\OneDrive\Documents\FIFO paging.exe
Enter the number of Pages: 4
Enter reference string values:
Value No. [1]: 12
Value No. [2]: 15
Value No. [3]: 35
Value No. [4]: 29
What are the total number of frames: 3
12 -1 -1
12 15 -1
12 15 35
29 15 35
Total Page Faults: 4
Process exited after 55 seconds with return value 0
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\pushpaja\OneDrive\Documents\FIFO paging.exe
- Output Size: 126.4345703125 KiB
- Compilation Time: 1.81s
Line: 1 Col: 3 Sel: 0 Lines: 51 Length: 1109 Insert Done parsing in 0 seconds
35°C
Mostly sunny
1:58 PM
9/21/2022


C:\Users\pushpaja\OneDrive\Documents\LRU paging.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 32-bit Profiling
(globals)
Project Classes Debug
producer-consumer.cpp FIFO paging.cpp LRU paging.cpp optimal paging.cpp sequential file allocation.cpp
#include<stdio.h>
int findLRU(int time[], int n){
int i, minimum = time[0], pos = 0;
for(i = 1; i < n; ++i){
if(time[i] < minimum){
minimum = time[i];
pos = i;
}
}
return pos;
}
int main()
{
int no_of_frames, no_of_pages, frames[10], pages[
printf("Enter number of frames: ");
scanf("%d", &no_of_frames);
printf("Enter number of pages: ");
scanf("%d", &no_of_pages);
printf("Enter reference string: ");
for(i = 0; i < no_of_pages; ++i){
scanf("%d", &pages[i]);
}
for(i = 0; i < no_of_frames; ++i){
frames[i] = -1;
}
C:\Users\pushpaja\OneDrive\Documents\LRU paging.exe
Enter number of frames: 4
Enter number of pages: 3
Enter reference string: 5
1
2
5 -1 -1 -1
5 1 -1 -1
5 1 2 -1
Total Page Faults = 3
Process exited after 9.69 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\pushpaja\OneDrive\Documents\LRU paging.exe
- Output Size: 126.296875 KiB
- Compilation Time: 0.22s
Line: 62 Col: 2 Sel: 0 Lines: 62 Length: 1432 Insert Done parsing in 0 seconds
35°C
Mostly sunny
2:02 PM
9/21/2022


C:\Users\pushpaja\OneDrive\Documents\optimal paging.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 32-bit Profiling
(globals)
Project Classes Debug
producer-consumer.cpp FIFO paging.cpp LRU paging.cpp optimal paging.cpp sequential file allocation.cpp
#include<stdio.h>
int main()
{
int no_of_frames, no_of_pages, frames[10], pages[30], temp[10], flag1, flag2, flag3, i, j, k, pos, max, faults = 0;
printf("Enter number of frames: ");
scanf("%d", &no_of_frames);
printf("Enter number of pages: ");
scanf("%d", &no_of_pages);
printf("Enter page reference string: ");
for(i = 0; i < no_of_pages; ++i){
scanf("%d", &pages[i]);
}
for(i = 0; i < no_of_frames; ++i){
frames[i] = -1;
}
for(i = 0; i < no_of_pages; ++i){
flag1 = flag2 = 0;
for(j = 0; j < no_of_frames; ++j){
if(frames[j] == pages[i]){
flag1 = flag2 = 1;
break;
}
}
if(flag1 == 0){
for(j = 0; j < no_of_frames; ++j){
C:\Users\pushpaja\OneDrive\Documents\optimal paging.exe
Enter number of frames: 3
Enter number of pages: 4
Enter page reference string: 2
5
8
4
2 -1 -1
2 5 -1
2 5 8
4 5 8
Total Page Faults = 4
Process exited after 11.41 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\pushpaja\OneDrive\Documents\optimal paging.exe
- Output Size: 126.7646484375 KiB
- Compilation Time: 0.19s
Line: 72 Col: 2 Sel: 0 Lines: 72 Length: 2054 Insert Done parsing in 0 seconds
35°C
Mostly sunny
2:05 PM
9/21/2022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Online C Compiler - online edito
https://www.onlinegdb.com/online_c_compiler
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
Login
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
#include <stdio.h>
#include <conio.h>
#include <stdlib.h>
void recurse(int files[]){
int flag = 0, startBlock, len, j, k, ch;
printf("Enter the starting block and the length of the files: ");
scanf("%d%d", &startBlock, &len);
for (j=startBlock; j<(startBlock+len); j++){
if (files[j] == 0)
flag++;
}
if(len == flag){
for (int k=startBlock; k<(startBlock+len); k++){
if (files[k] == 0){
files[k] = 1;
printf("%d\t%d\n", k, files[k]);
}
}
if (k != (startBlock+len-1))
printf("The file is allocated to the disk\n");
}
input
Files Allocated are :
Enter the starting block and the length of the files: 4
5
4 1
5 1
6 1
7 1
8 1
The file is allocated to the disk
Do you want to enter more files?
Press 1 for YES, 0 for NO: ^[[A0
...Program finished with exit code 0
Press ENTER to exit console.
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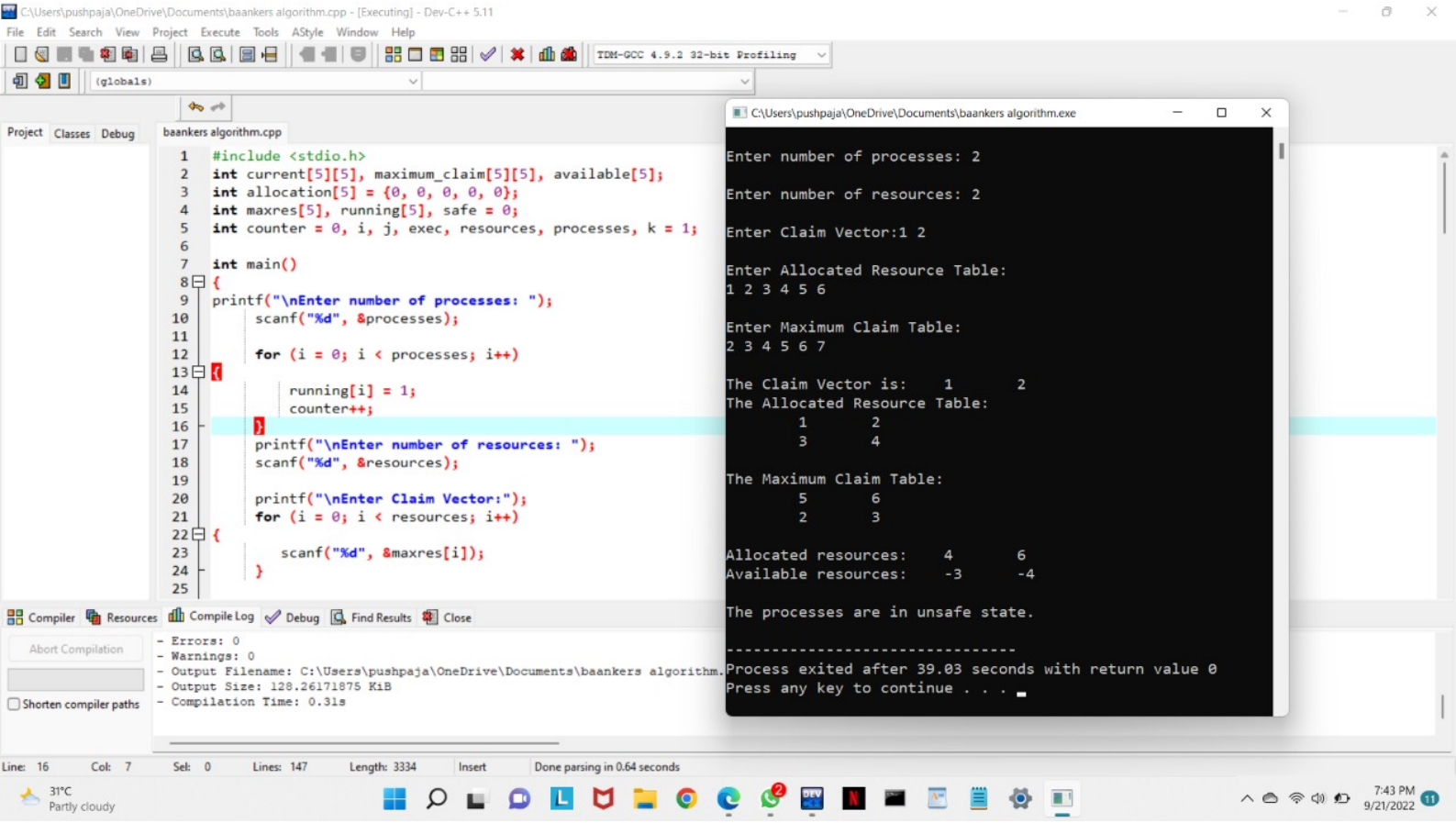
35°C
Mostly sunny
2:12 PM
9/21/2022


C:\Users\pushpaja\OneDrive\Documents\baankers algorithm.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 32-bit Profiling
(globals)
Project Classes Debug
baankers algorithm.cpp
#include <stdio.h>
int current[5][5], maximum_claim[5][5], available[5];
int allocation[5] = {0, 0, 0, 0, 0};
int maxres[5], running[5], safe = 0;
int counter = 0, i, j, exec, resources, processes, k = 1;
int main()
{
printf("\nEnter number of processes: ");
scanf("%d", &processes);
for (i = 0; i < processes; i++)
{
running[i] = 1;
counter++;
}
printf("\nEnter number of resources: ");
scanf("%d", &resources);
printf("\nEnter Claim Vector:");
for (i = 0; i < resources; i++)
{
scanf("%d", &maxres[i]);
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\pushpaja\OneDrive\Documents\baankers algorithm.
- Output Size: 128.26171875 KiB
- Compilation Time: 0.31s
Line: 16 Col: 7 Sel: 0 Lines: 147 Length: 3334 Insert Done parsing in 0.64 seconds
C:\Users\pushpaja\OneDrive\Documents\baankers algorithm.exe
Enter number of processes: 2
Enter number of resources: 2
Enter Claim Vector:1 2
Enter Allocated Resource Table:
1 2 3 4 5 6
Enter Maximum Claim Table:
2 3 4 5 6 7
The Claim Vector is: 1 2
The Allocated Resource Table:
1 2
3 4
The Maximum Claim Table:
5 6
2 3
Allocated resources: 4 6
Available resources: -3 -4
The processes are in unsafe state.
Process exited after 39.03 seconds with return value 0
Press any key to continue . . .
31°C
Partly cloudy
7:43 PM
9/21/2022