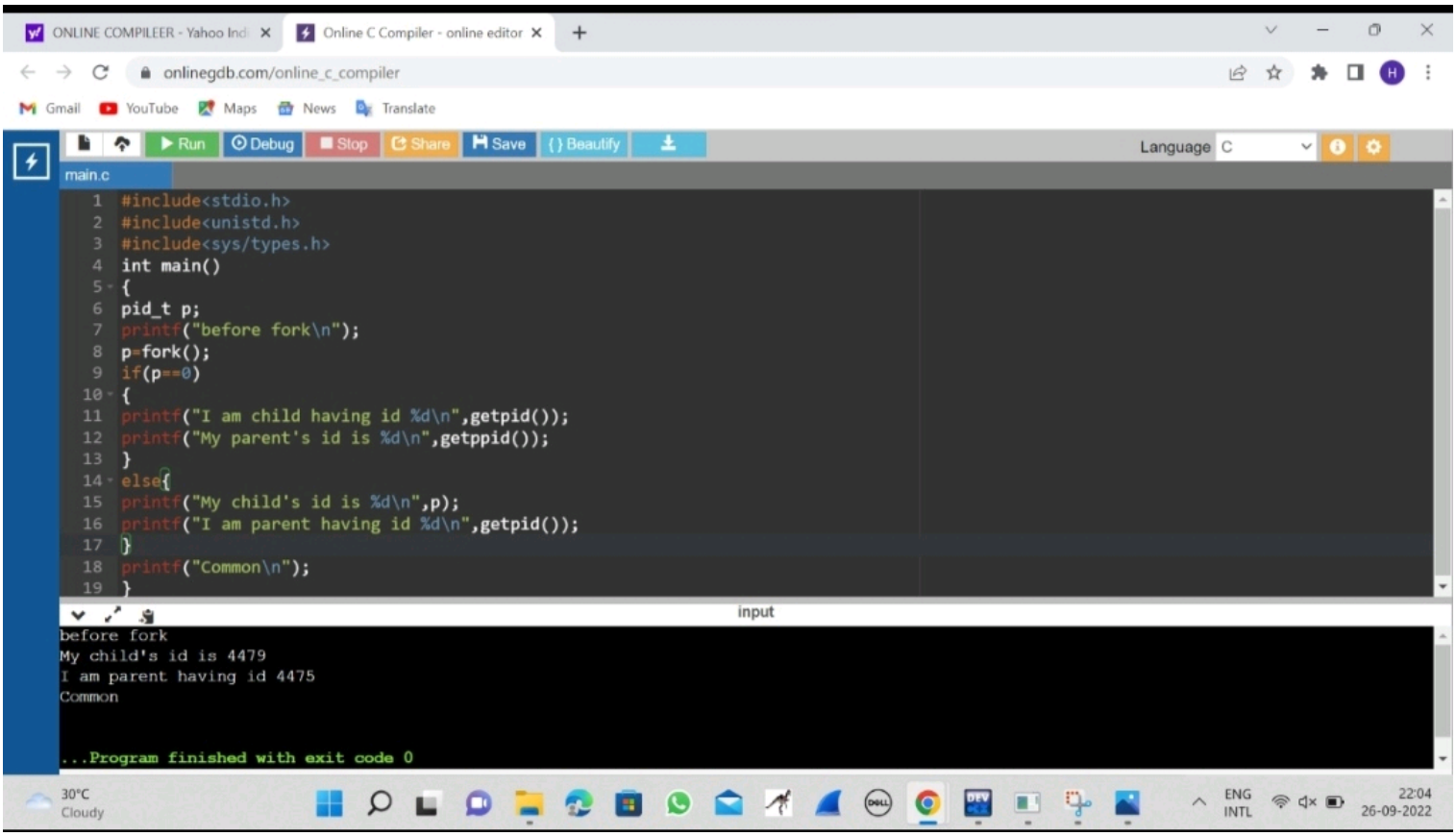
ONLINE COMPILEER - Yahoo Ind
Online C Compiler - online editor
onlinegdb.com/online_c_compiler
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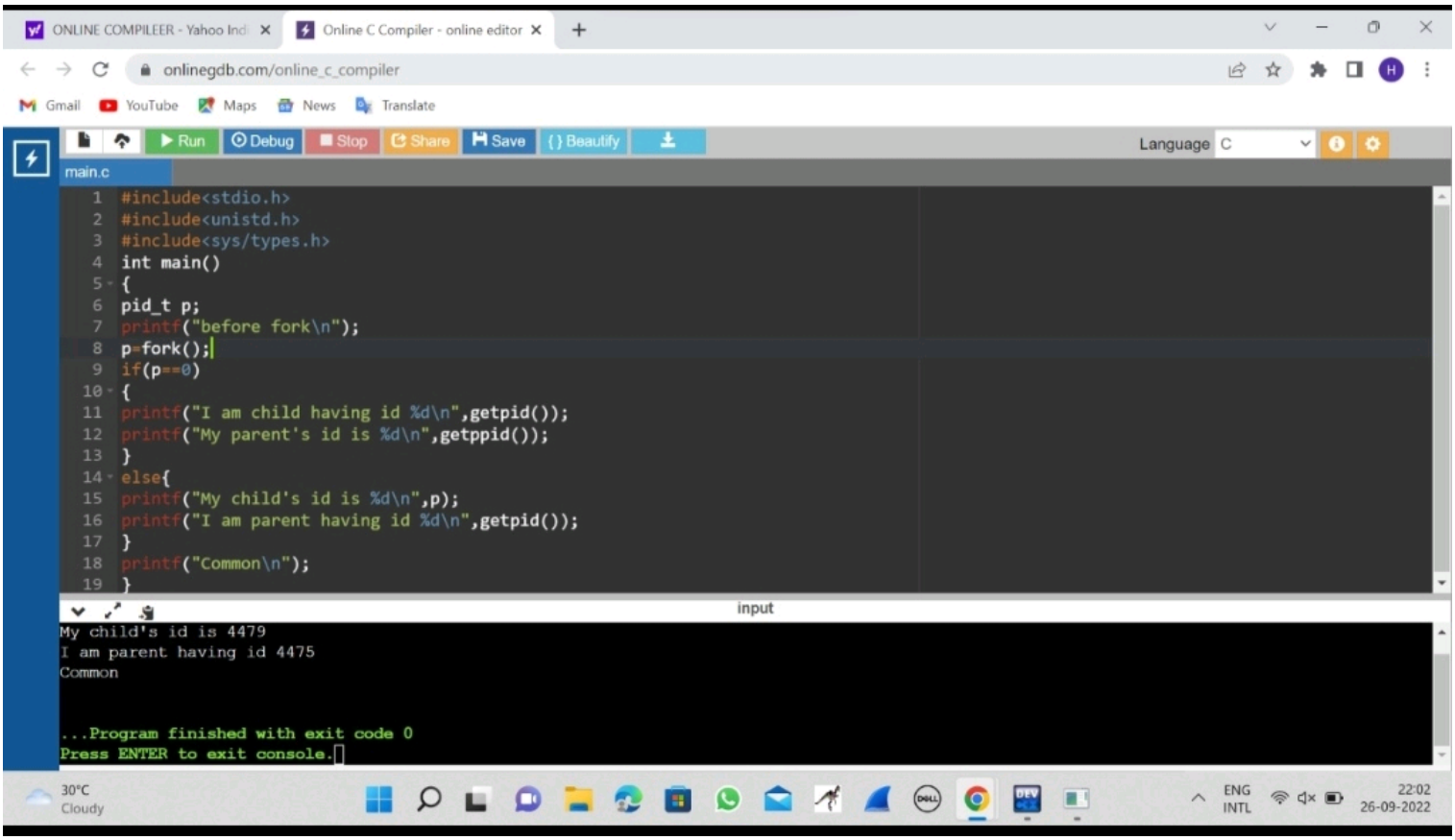
Translate
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
int main()
{
pid_t p;
printf("before fork\n");
p=fork();
if(p==0)
{
printf("I am child having id %d\n",getpid());
printf("My parent's id is %d\n",getppid());
}
else{
printf("My child's id is %d\n",p);
printf("I am parent having id %d\n",getpid());
}
printf("Common\n");
}
input
before fork
My child's id is 4479
I am parent having id 4475
Common
...Program finished with exit code 0
30°C
Cloudy
ENG
INTL
22:04
26-09-2022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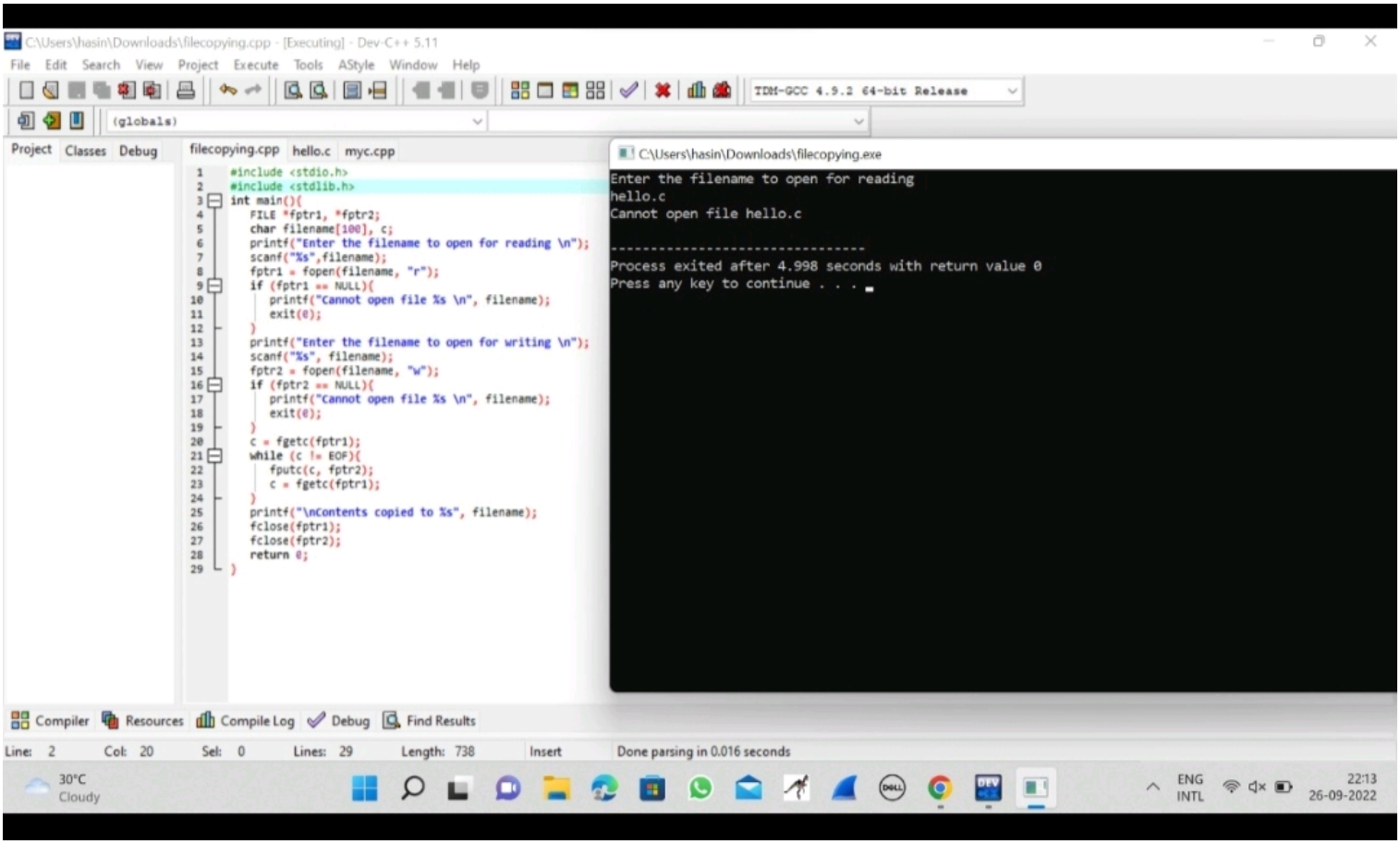
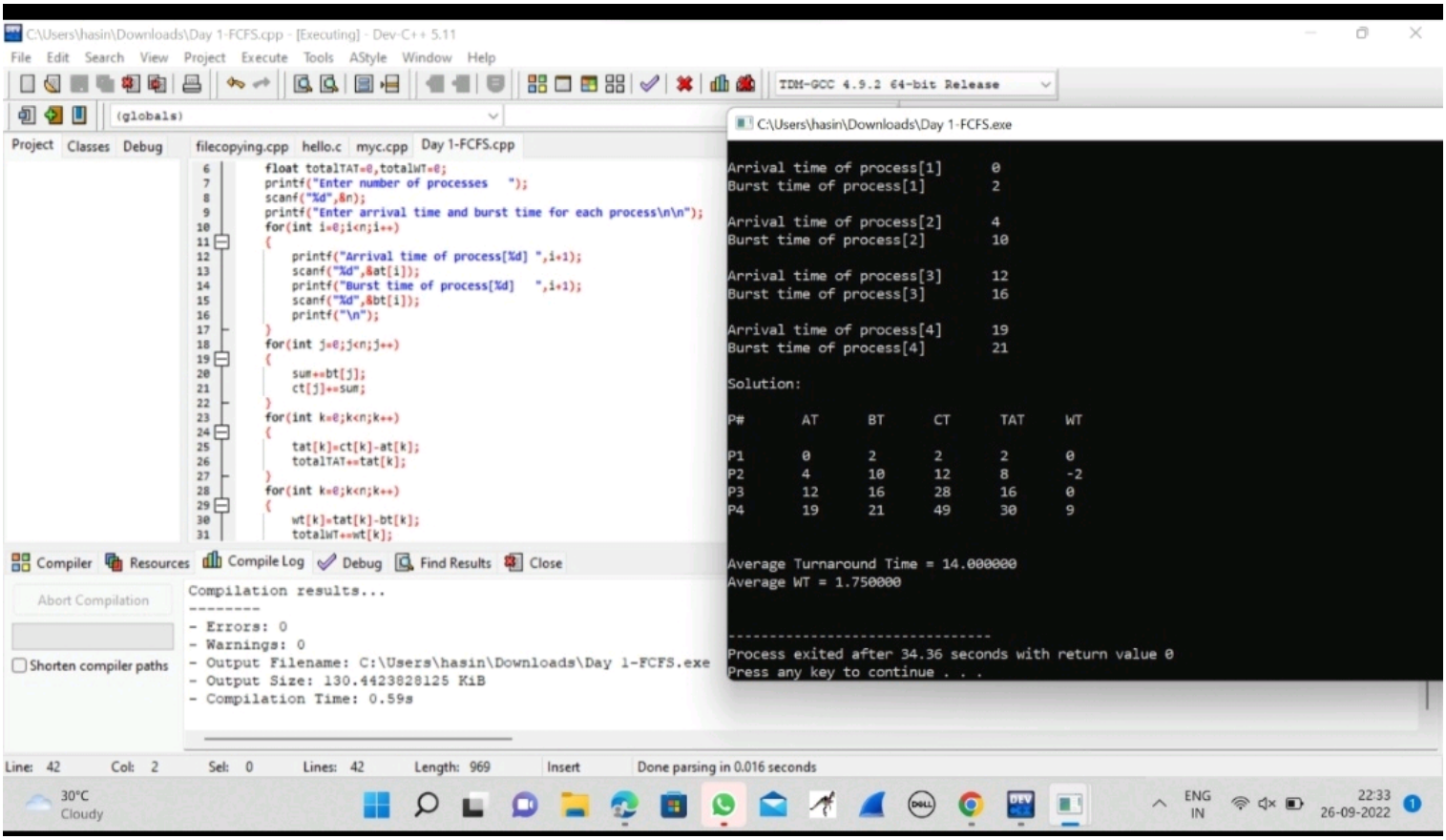
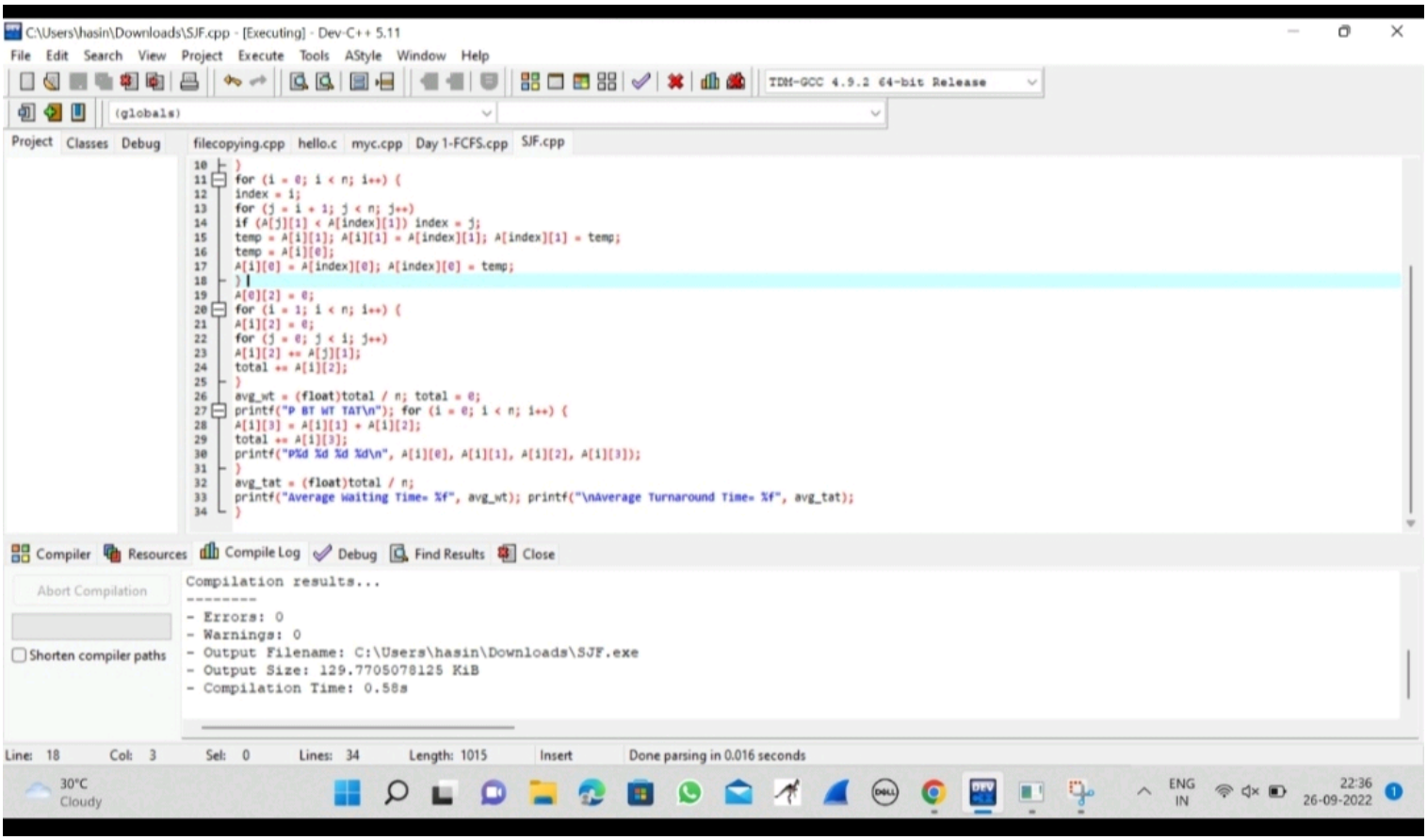
Translate
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
int main()
{
pid_t p;
printf("before fork\n");
p=fork();
if(p==0)
{
printf("I am child having id %d\n",getpid());
printf("My parent's id is %d\n",getppid());
}
else{
printf("My child's id is %d\n",p);
printf("I am parent having id %d\n",getpid());
}
printf("Common\n");
}
input
My child's id is 4479
I am parent having id 4475
Common
...Program finished with exit code 0
Press ENTER to exit console.
30°C
Cloudy
ENG
INTL
22:02
26-09-2022

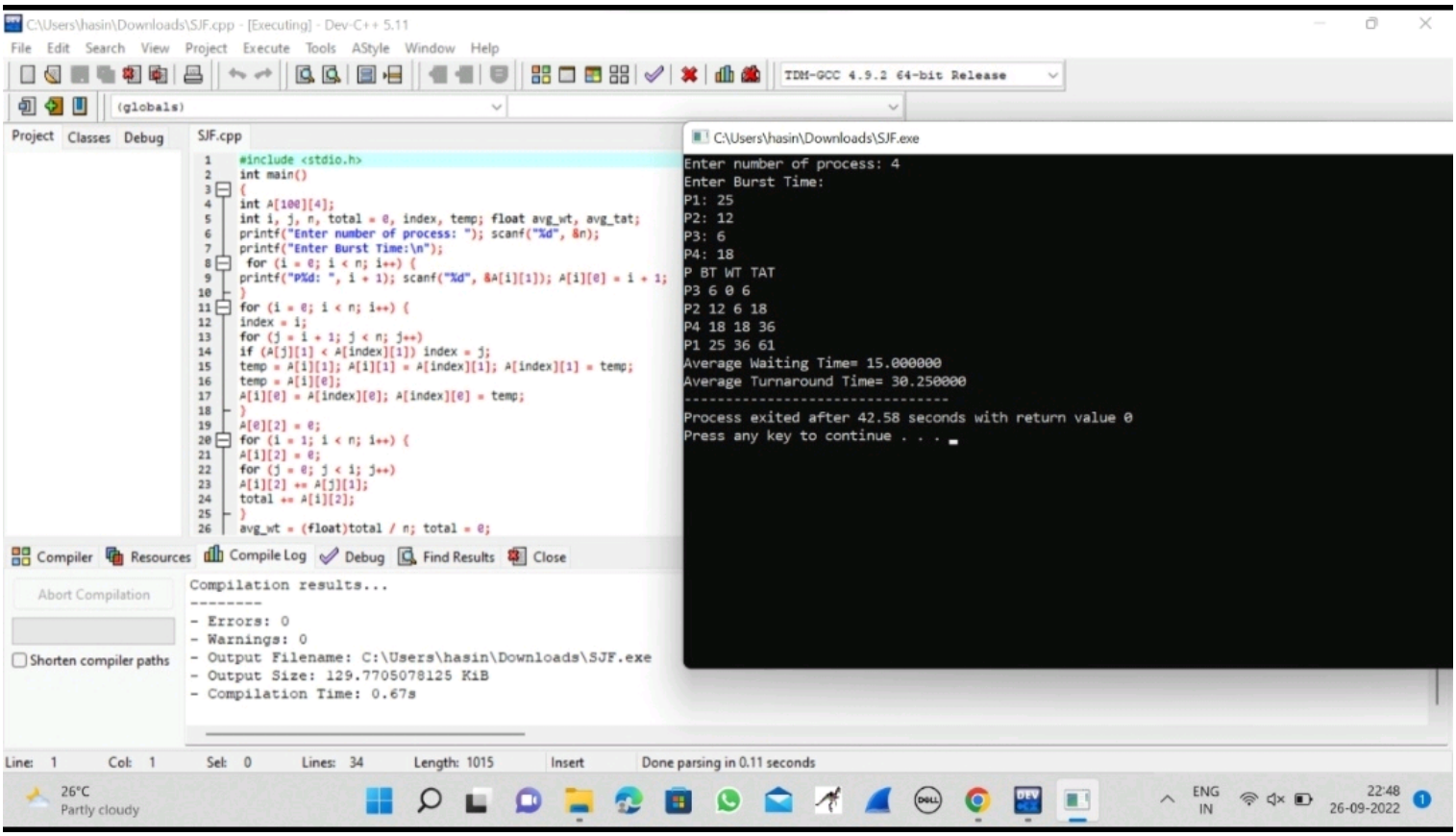

C:\Users\hasin\Downloads\filecopying.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
filecopying.cpp hello.c myc.cpp
#include <stdio.h>
#include <stdlib.h>
int main(){
FILE *fptr1, *fptr2;
char filename[100], c;
printf("Enter the filename to open for reading \n");
scanf("%s",filename);
fptr1 = fopen(filename, "r");
if (fptr1 == NULL){
printf("Cannot open file %s \n", filename);
exit(0);
}
printf("Enter the filename to open for writing \n");
scanf("%s", filename);
fptr2 = fopen(filename, "w");
if (fptr2 == NULL){
printf("Cannot open file %s \n", filename);
exit(0);
}
c = fgetc(fptr1);
while (c != EOF){
fputc(c, fptr2);
c = fgetc(fptr1);
}
printf("\nContents copied to %s", filename);
fclose(fptr1);
fclose(fptr2);
return 0;
}
C:\Users\hasin\Downloads\filecopying.exe
Enter the filename to open for reading
hello.c
Cannot open file hello.c

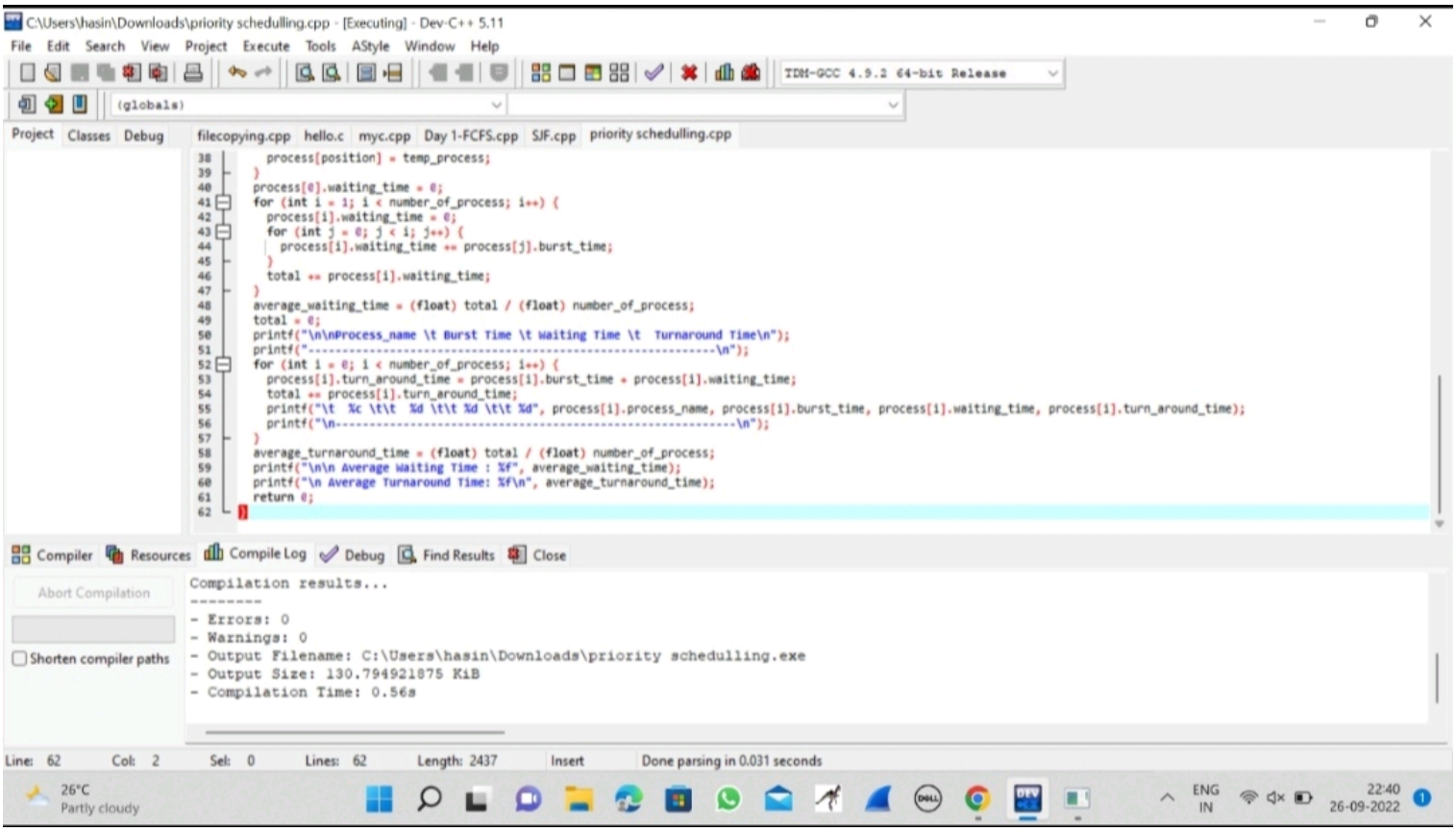
Process exited after 4.998 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results
Line: 2 Col: 20 Sel: 0 Lines: 29 Length: 738 Insert Done parsing in 0.016 seconds
30°C
Cloudy
ENG
INTL
22:13
26-09-2022


C:\Users\hasin\Downloads\Day 1-FCFS.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
filecopying.cpp hello.c myc.cpp Day 1-FCFS.cpp
float totalTAT=0,totalWT=0;
printf("Enter number of processes ");
scanf("%d",&n);
printf("Enter arrival time and burst time for each process\n\n");
for(int i=0;i<n;i++)
{
printf("Arrival time of process[%d] ",i+1);
scanf("%d",&at[i]);
printf("Burst time of process[%d] ",i+1);
scanf("%d",&bt[i]);
printf("\n");
}
for(int j=0;j<n;j++)
{
sum+=bt[j];
ct[j]+=sum;
}
for(int k=0;k<n;k++)
{
tat[k]=ct[k]-at[k];
totalTAT+=tat[k];
}
for(int k=0;k<n;k++)
{
wt[k]=tat[k]-bt[k];
totalWT+=wt[k];
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hasin\Downloads\Day 1-FCFS.exe
- Output Size: 130.4423828125 KiB
- Compilation Time: 0.59s
Line: 42 Col: 2 Sel: 0 Lines: 42 Length: 969 Insert Done parsing in 0.016 seconds
C:\Users\hasin\Downloads\Day 1-FCFS.exe
Arrival time of process[1] 0
Burst time of process[1] 2
Arrival time of process[2] 4
Burst time of process[2] 10
Arrival time of process[3] 12
Burst time of process[3] 16
Arrival time of process[4] 19
Burst time of process[4] 21
Solution:
P# AT BT CT TAT WT
P1 0 2 2 2 0
P2 4 10 12 8 -2
P3 12 16 28 16 0
P4 19 21 49 30 9
Average Turnaround Time = 14.000000
Average WT = 1.750000
Process exited after 34.36 seconds with return value 0
Press any key to continue . . .
30°C Cloudy
ENG IN
22:33 26-09-2022

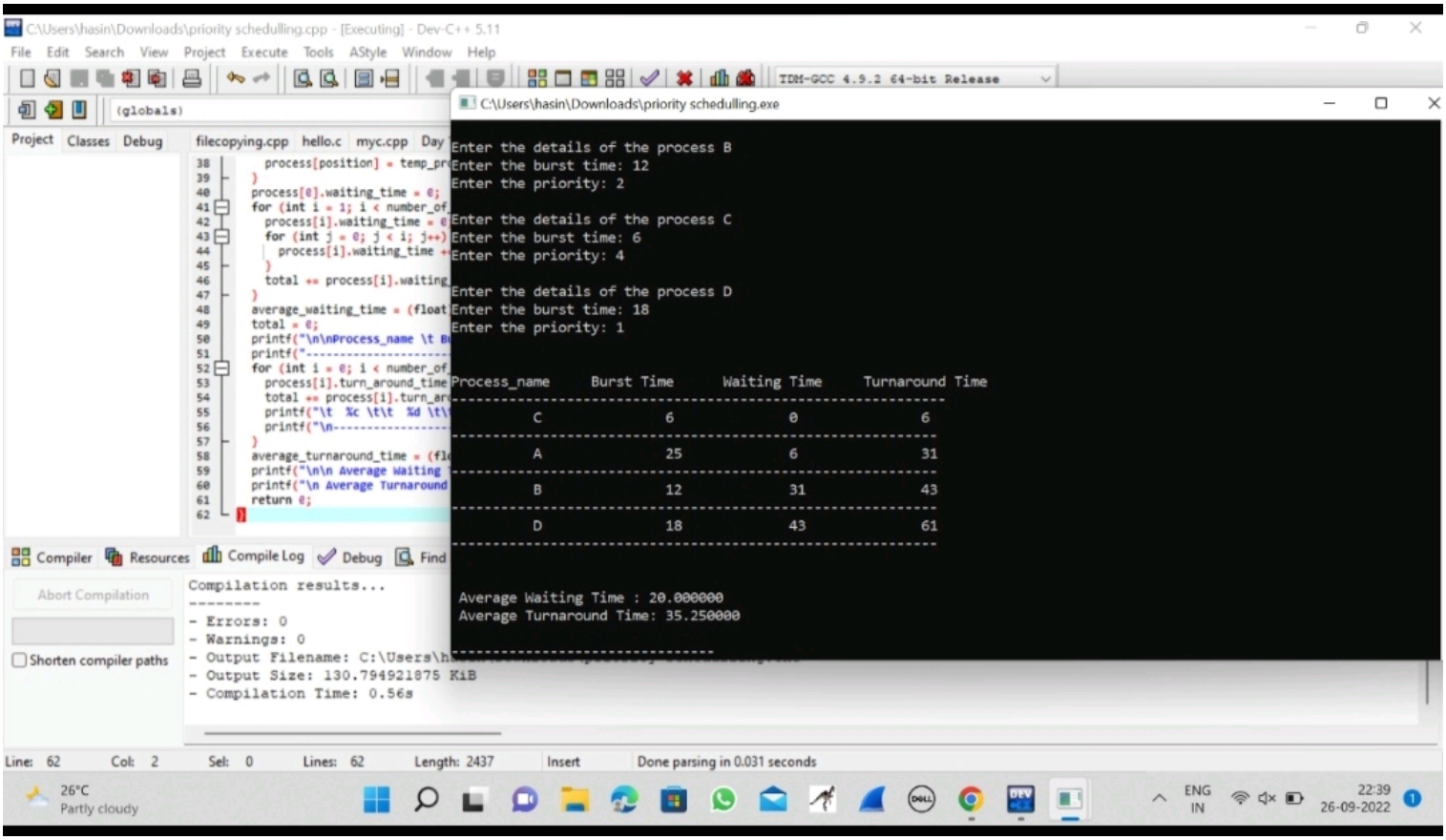

C:\Users\hasin\Downloads\SJF.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
filecopying.cpp hello.c myc.cpp Day 1-FCFS.cpp SJF.cpp
}
for (i = 0; i < n; i++) {
index = i;
for (j = i + 1; j < n; j++)
if (A[j][1] < A[index][1]) index = j;
temp = A[i][1]; A[i][1] = A[index][1]; A[index][1] = temp;
temp = A[i][0];
A[i][0] = A[index][0]; A[index][0] = temp;
}
A[0][2] = 0;
for (i = 1; i < n; i++) {
A[i][2] = 0;
for (j = 0; j < i; j++)
A[i][2] += A[j][1];
total += A[i][2];
}
avg_wt = (float)total / n; total = 0;
printf("P BT WT TAT\n"); for (i = 0; i < n; i++) {
A[i][3] = A[i][1] + A[i][2];
total += A[i][3];
printf("P%d %d %d %d\n", A[i][0], A[i][1], A[i][2], A[i][3]);
}
avg_tat = (float)total / n;
printf("Average Waiting Time= %f", avg_wt); printf("\nAverage Turnaround Time= %f", avg_tat);
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hasin\Downloads\SJF.exe
- Output Size: 129.7705078125 KiB
- Compilation Time: 0.58s
Line: 18 Col: 3 Sel: 0 Lines: 34 Length: 1015 Insert Done parsing in 0.016 seconds
30°C Cloudy
ENG IN
22:36 26-09-2022


C:\Users\hasin\Downloads\SJF.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
SJF.cpp
#include <stdio.h>
int main()
{
int A[100][4];
int i, j, n, total = 0, index, temp; float avg_wt, avg_tat;
printf("Enter number of process: "); scanf("%d", &n);
printf("Enter Burst Time:\n");
for (i = 0; i < n; i++) {
printf("P%d: ", i + 1); scanf("%d", &A[i][1]); A[i][0] = i + 1;
}
for (i = 0; i < n; i++) {
index = i;
for (j = i + 1; j < n; j++)
if (A[j][1] < A[index][1]) index = j;
temp = A[i][1]; A[i][1] = A[index][1]; A[index][1] = temp;
temp = A[i][0];
A[i][0] = A[index][0]; A[index][0] = temp;
}
A[0][2] = 0;
for (i = 1; i < n; i++) {
A[i][2] = 0;
for (j = 0; j < i; j++)
A[i][2] += A[j][1];
total += A[i][2];
}
avg_wt = (float)total / n; total = 0;
C:\Users\hasin\Downloads\SJF.exe
Enter number of process: 4
Enter Burst Time:
P1: 25
P2: 12
P3: 6
P4: 18
P BT WT TAT
P3 6 0 6
P2 12 6 18
P4 18 18 36
P1 25 36 61
Average Waiting Time= 15.000000
Average Turnaround Time= 30.250000
Process exited after 42.58 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hasin\Downloads\SJF.exe
- Output Size: 129.7705078125 KiB
- Compilation Time: 0.67s
Line: 1 Col: 1 Sel: 0 Lines: 34 Length: 1015 Insert Done parsing in 0.11 seconds
26°C Partly cloudy
ENG IN
22:48 26-09-2022


C:\Users\hasin\Downloads\priority schedulling.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
filecopying.cpp hello.c myc.cpp Day 1-FCFS.cpp SJF.cpp priority schedulling.cpp
process[position] = temp_process;
}
process[0].waiting_time = 0;
for (int i = 1; i < number_of_process; i++) {
process[i].waiting_time = 0;
for (int j = 0; j < i; j++) {
process[i].waiting_time += process[j].burst_time;
}
total += process[i].waiting_time;
}
average_waiting_time = (float) total / (float) number_of_process;
total = 0;
printf("\n\nProcess_name \t Burst Time \t Waiting Time \t Turnaround Time\n");
printf("---\n");
for (int i = 0; i < number_of_process; i++) {
process[i].turn_around_time = process[i].burst_time + process[i].waiting_time;
total += process[i].turn_around_time;
printf("\t %c \t\t %d \t\t %d \t\t %d", process[i].process_name, process[i].burst_time, process[i].waiting_time, process[i].turn_around_time);
printf("\n---\n");
}
average_turnaround_time = (float) total / (float) number_of_process;
printf("\n\n Average Waiting Time : %f", average_waiting_time);
printf("\n Average Turnaround Time: %f\n", average_turnaround_time);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hasin\Downloads\priority schedulling.exe
- Output Size: 130.794921875 KiB
- Compilation Time: 0.56s
Line: 62 Col: 2 Sel: 0 Lines: 62 Length: 2437 Insert Done parsing in 0.031 seconds
26°C
Partly cloudy
ENG
IN
22:40
26-09-2022


C:\Users\hasin\Downloads\priority schedulling.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
C:\Users\hasin\Downloads\priority schedulling.exe
Enter the details of the process B
Enter the burst time: 12
Enter the priority: 2
Enter the details of the process C
Enter the burst time: 6
Enter the priority: 4
Enter the details of the process D
Enter the burst time: 18
Enter the priority: 1
Process_name Burst Time Waiting Time Turnaround Time
C 6 0 6
A 25 6 31
B 12 31 43
D 18 43 61
Average Waiting Time : 20.000000
Average Turnaround Time: 35.250000
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\h
- Output Size: 130.794921875 KiB
- Compilation Time: 0.56s
Done parsing in 0.031 seconds
26°C
Partly cloudy
ENG
IN
22:39
26-09-2022