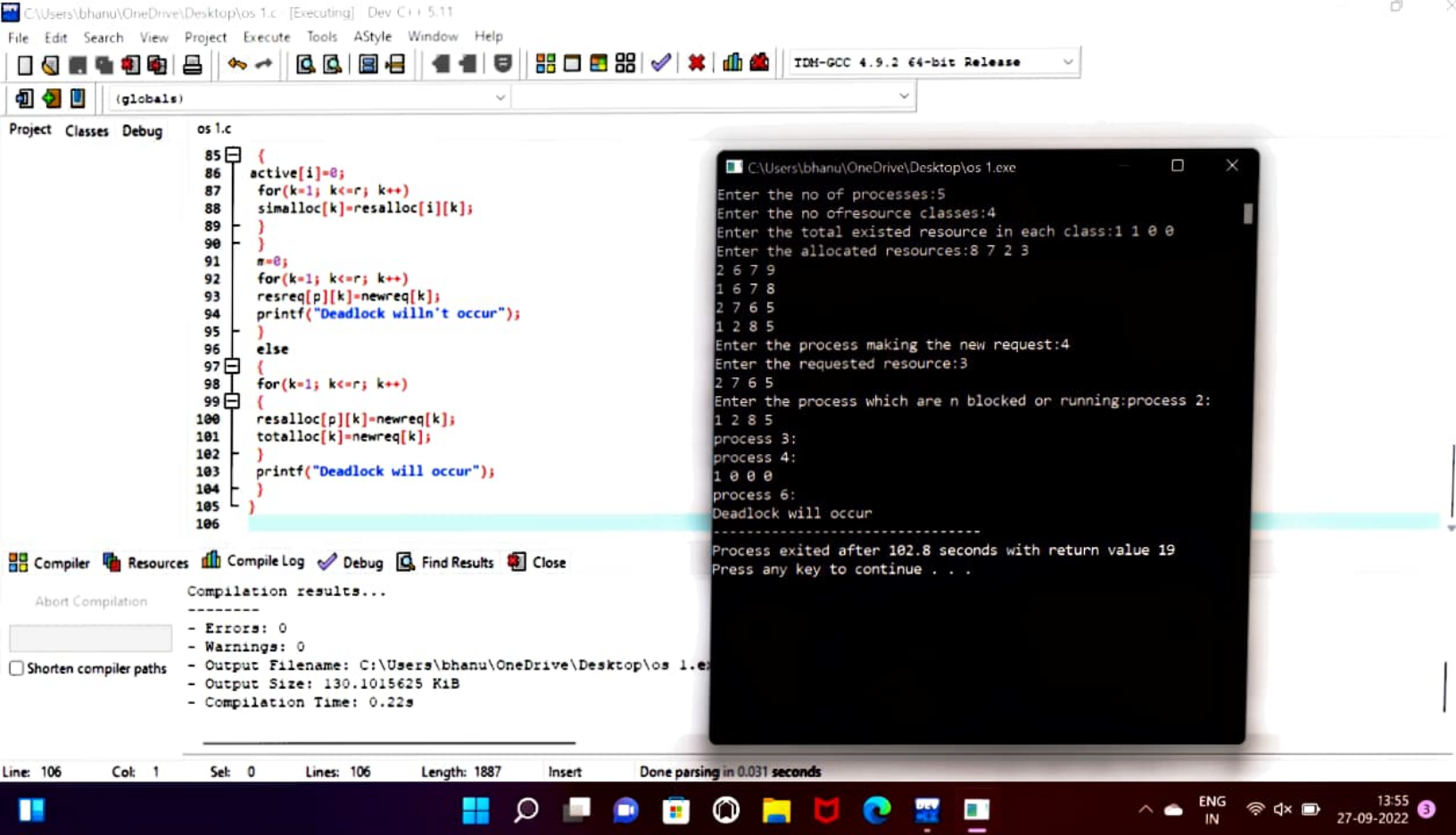
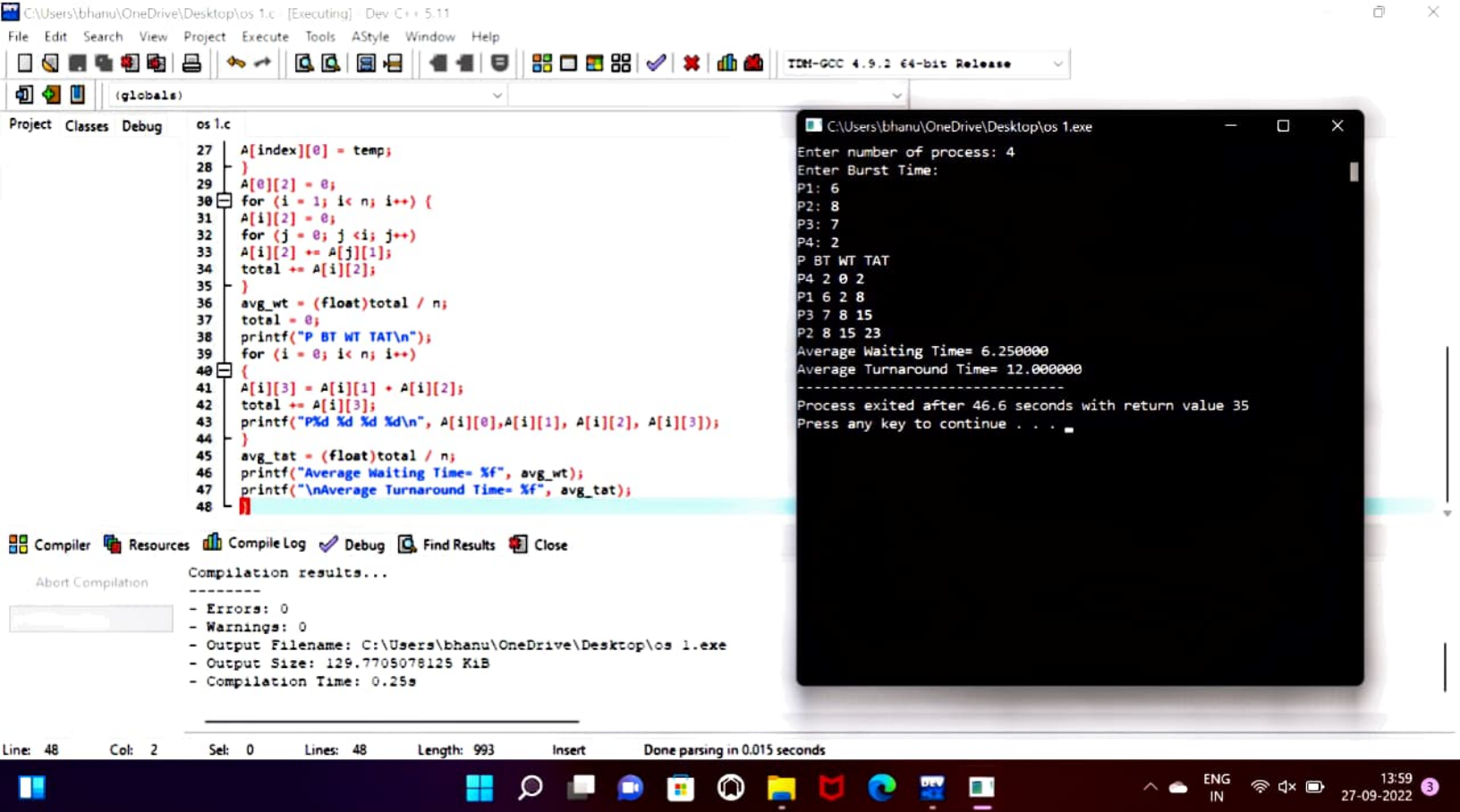
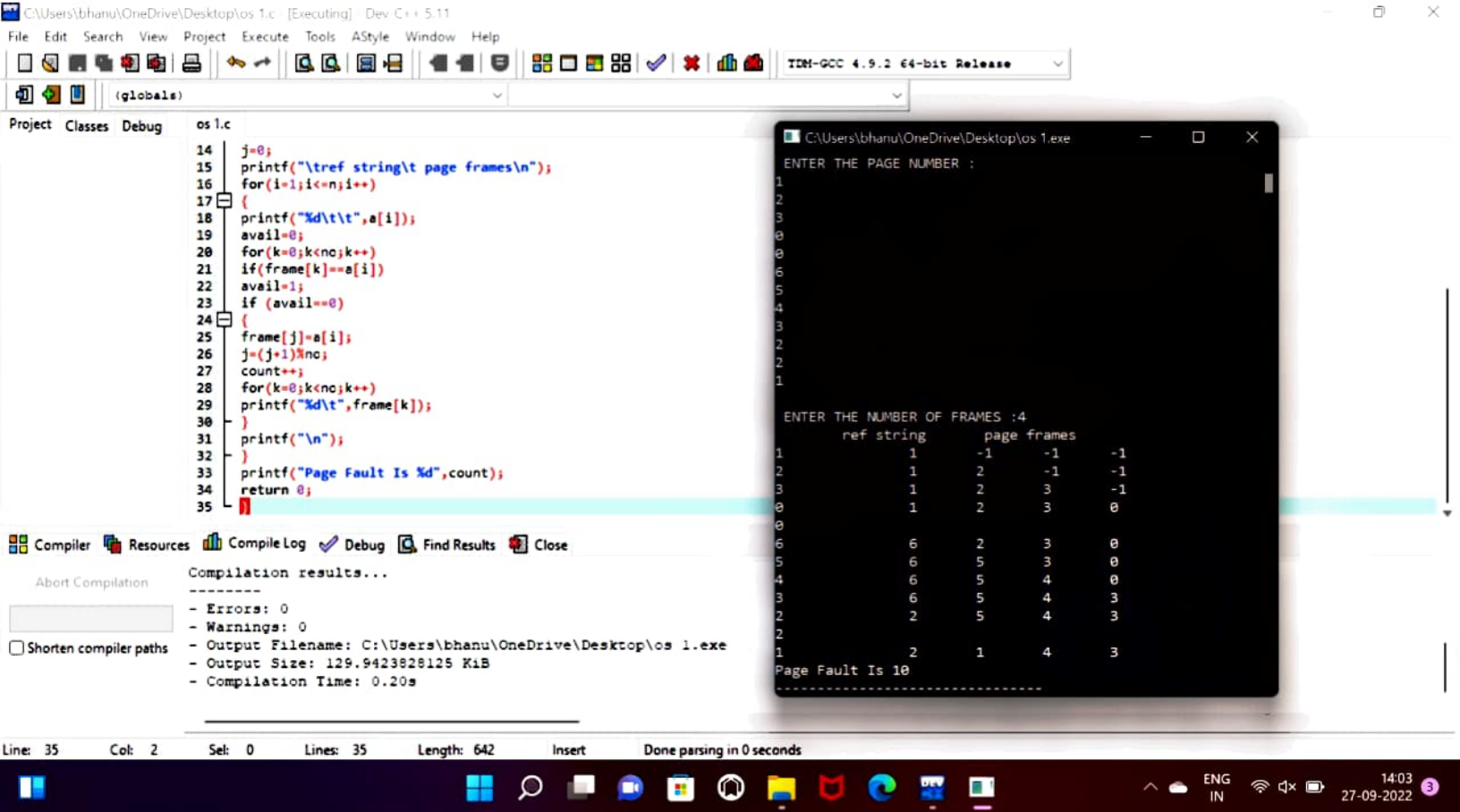
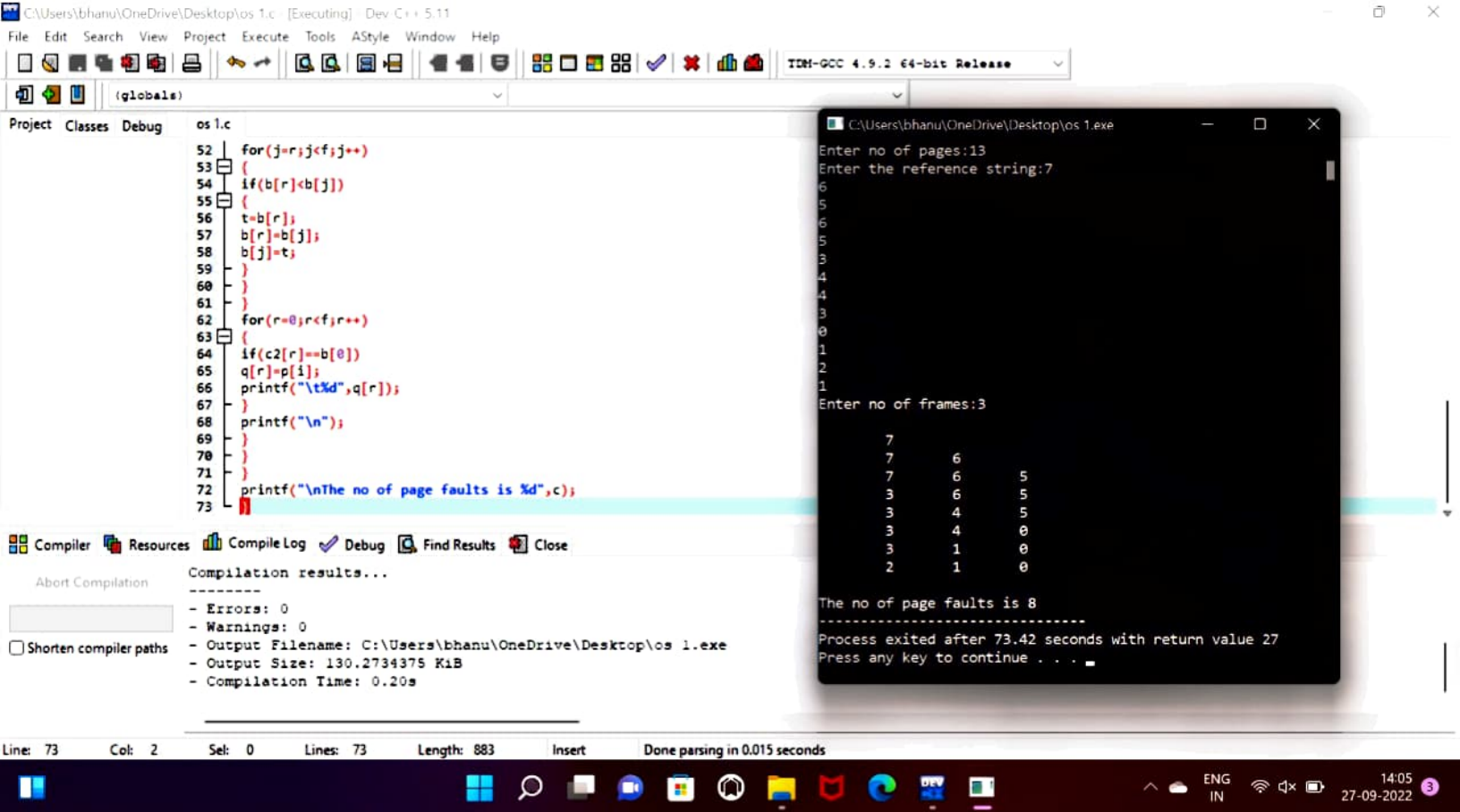
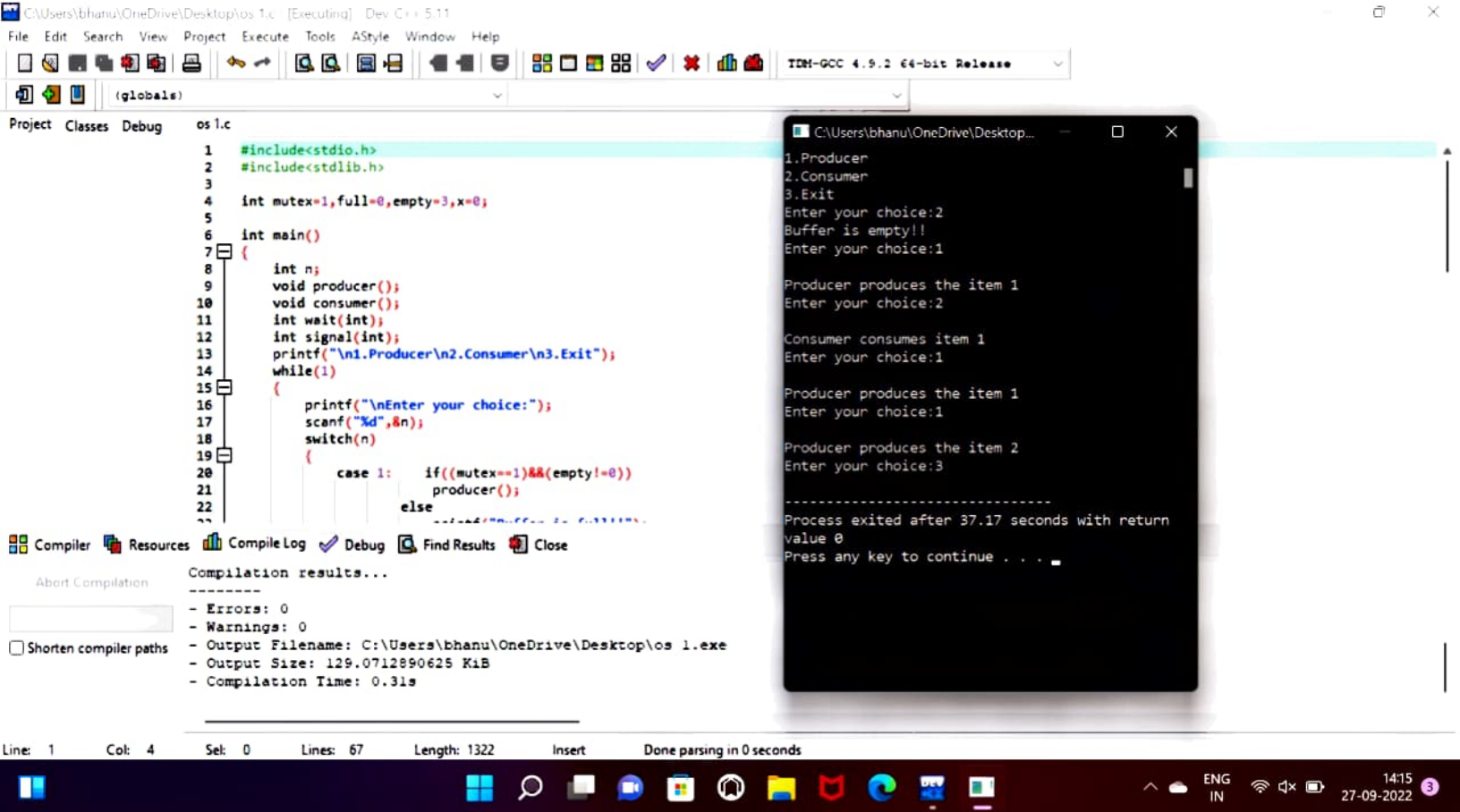

C:\Users\bhanu\OneDrive\Desktop\os 1.c - [Executing] - Dev C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
os 1.c
{
active[i]=0;
for(k=1; k<=r; k++)
simalloc[k]=resalloc[i][k];
}
}
m=0;
for(k=1; k<=r; k++)
resreq[p][k]=newreq[k];
printf("Deadlock willn't occur");
}
else
{
for(k=1; k<=r; k++)
{
resalloc[p][k]=newreq[k];
totalloc[k]=newreq[k];
}
printf("Deadlock will occur");
}
}
C:\Users\bhanu\OneDrive\Desktop\os 1.exe
Enter the no of processes:5
Enter the no ofresource classes:4
Enter the total existed resource in each class:1 1 0 0
Enter the allocated resources:8 7 2 3
2 6 7 9
1 6 7 8
2 7 6 5
1 2 8 5
Enter the process making the new request:4
Enter the requested resource:3
2 7 6 5
Enter the process which are n blocked or running:process 2:
1 2 8 5
process 3:
process 4:
1 0 0 0
process 6:
Deadlock will occur
Process exited after 102.8 seconds with return value 19
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\bhanu\OneDrive\Desktop\os 1.e
- Output Size: 130.1015625 KiB
- Compilation Time: 0.22s
Line: 106 Col: 1 Sel: 0 Lines: 106 Length: 1887 Insert Done parsing in 0.031 seconds
ENG IN
13:55
27-09-2022


C:\Users\bhanu\OneDrive\Desktop\os 1.c [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
os 1.c
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);
}
C:\Users\bhanu\OneDrive\Desktop\os 1.exe
Enter number of process: 4
Enter Burst Time:
P1: 6
P2: 8
P3: 7
P4: 2
P BT WT TAT
P4 2 0 2
P1 6 2 8
P3 7 8 15
P2 8 15 23
Average Waiting Time= 6.250000
Average Turnaround Time= 12.000000
Process exited after 46.6 seconds with return value 35
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bhanu\OneDrive\Desktop\os 1.exe
- Output Size: 129.7705078125 KiB
- Compilation Time: 0.25s
Line: 48 Col: 2 Sel: 0 Lines: 48 Length: 993 Insert Done parsing in 0.015 seconds
ENG IN
13:59
27-09-2022


C:\Users\bhanu\OneDrive\Desktop\os 1.c [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
os 1.c
14 j=0;
15 printf("\tref string\t page frames\n");
16 for(i=1;i<=n;i++)
17 {
18 printf("%d\t\t",a[i]);
19 avail=0;
20 for(k=0;k<nc;k++)
21 if(frame[k]==a[i])
22 avail=1;
23 if (avail==0)
24 {
25 frame[j]=a[i];
26 j=(j+1)%nc;
27 count++;
28 for(k=0;k<nc;k++)
29 printf("%d\t",frame[k]);
30 }
31 printf("\n");
32 }
33 printf("Page Fault Is %d",count);
34 return 0;
35 }
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bhanu\OneDrive\Desktop\os 1.exe
- Output Size: 129.9423828125 KiB
- Compilation Time: 0.20s
Line: 35 Col: 2 Sel: 0 Lines: 35 Length: 642 Insert Done parsing in 0 seconds
C:\Users\bhanu\OneDrive\Desktop\os 1.exe
ENTER THE PAGE NUMBER :
1
2
3
0
0
6
5
4
3
2
2
1
ENTER THE NUMBER OF FRAMES :4
ref string page frames
1 1 -1 -1 -1
2 1 2 -1 -1
3 1 2 3 -1
0 1 2 3 0
0
6 6 2 3 0
5 6 5 3 0
4 6 5 4 0
3 6 5 4 3
2 2 5 4 3
2
1 2 1 4 3
Page Fault Is 10
ENG IN
14:03
27-09-2022


C:\Users\bhanu\OneDrive\Desktop\os 1.c [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
os 1.c
for(j=r;j<f;j++)
{
if(b[r]<b[j])
{
t=b[r];
b[r]=b[j];
b[j]=t;
}
}
}
for(r=0;r<f;r++)
{
if(c2[r]==b[0])
q[r]=p[i];
printf("\t%d",q[r]);
}
printf("\n");
}
}
}
printf("\nThe no of page faults is %d",c);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bhanu\OneDrive\Desktop\os 1.exe
- Output Size: 130.2734375 KiB
- Compilation Time: 0.20s
C:\Users\bhanu\OneDrive\Desktop\os 1.exe
Enter no of pages:13
Enter the reference string:7
6
5
6
5
3
4
4
3
0
1
2
1
Enter no of frames:3
7
7 6
7 6 5
3 6 5
3 4 5
3 4 0
3 1 0
2 1 0
The no of page faults is 8
Process exited after 73.42 seconds with return value 27
Press any key to continue . . .
Line: 73 Col: 2 Sel: 0 Lines: 73 Length: 883 Insert Done parsing in 0.015 seconds
ENG IN
14:05
27-09-2022


C:\Users\bhanu\OneDrive\Desktop\os 1.c [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
os 1.c
#include<stdio.h>
#include<stdlib.h>
int mutex=1,full=0,empty=3,x=0;
int main()
{
int n;
void producer();
void consumer();
int wait(int);
int signal(int);
printf("\n1.Producer\n2.Consumer\n3.Exit");
while(1)
{
printf("\nEnter your choice:");
scanf("%d",&n);
switch(n)
{
case 1: if((mutex==1)&&(empty!=0))
producer();
else
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bhanu\OneDrive\Desktop\os 1.exe
- Output Size: 129.0712890625 KiB
- Compilation Time: 0.31s
C:\Users\bhanu\OneDrive\Desktop...
1.Producer
2.Consumer
3.Exit
Enter your choice:2
Buffer is empty!!
Enter your choice:1
Producer produces the item 1
Enter your choice:2
Consumer consumes item 1
Enter your choice:1
Producer produces the item 1
Enter your choice:1
Producer produces the item 2
Enter your choice:3
Process exited after 37.17 seconds with return value 0
Press any key to continue . . .
Line: 1 Col: 4 Sel: 0 Lines: 67 Length: 1322 Insert Done parsing in 0 seconds
ENG IN
14:15
27-09-2022