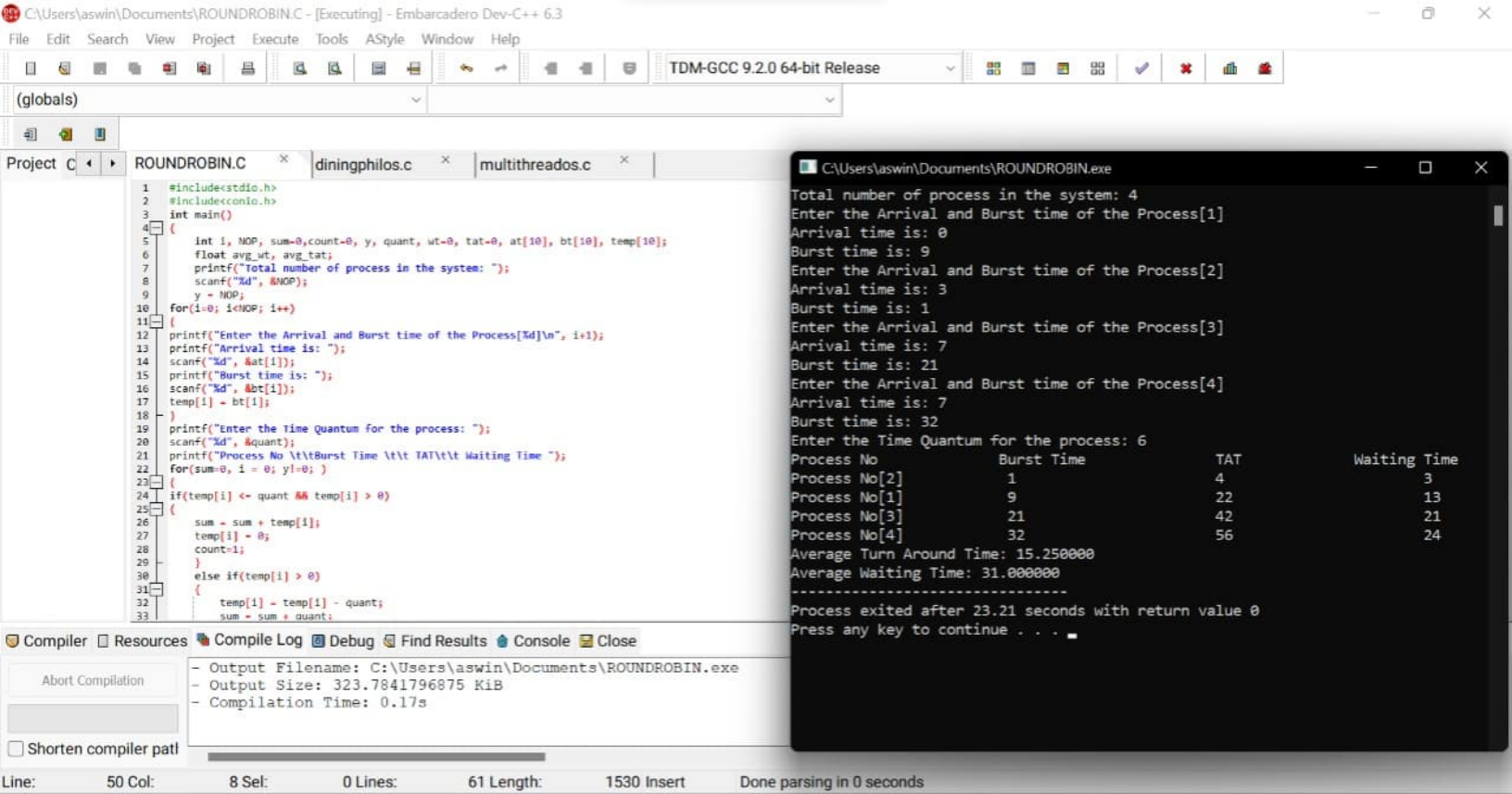
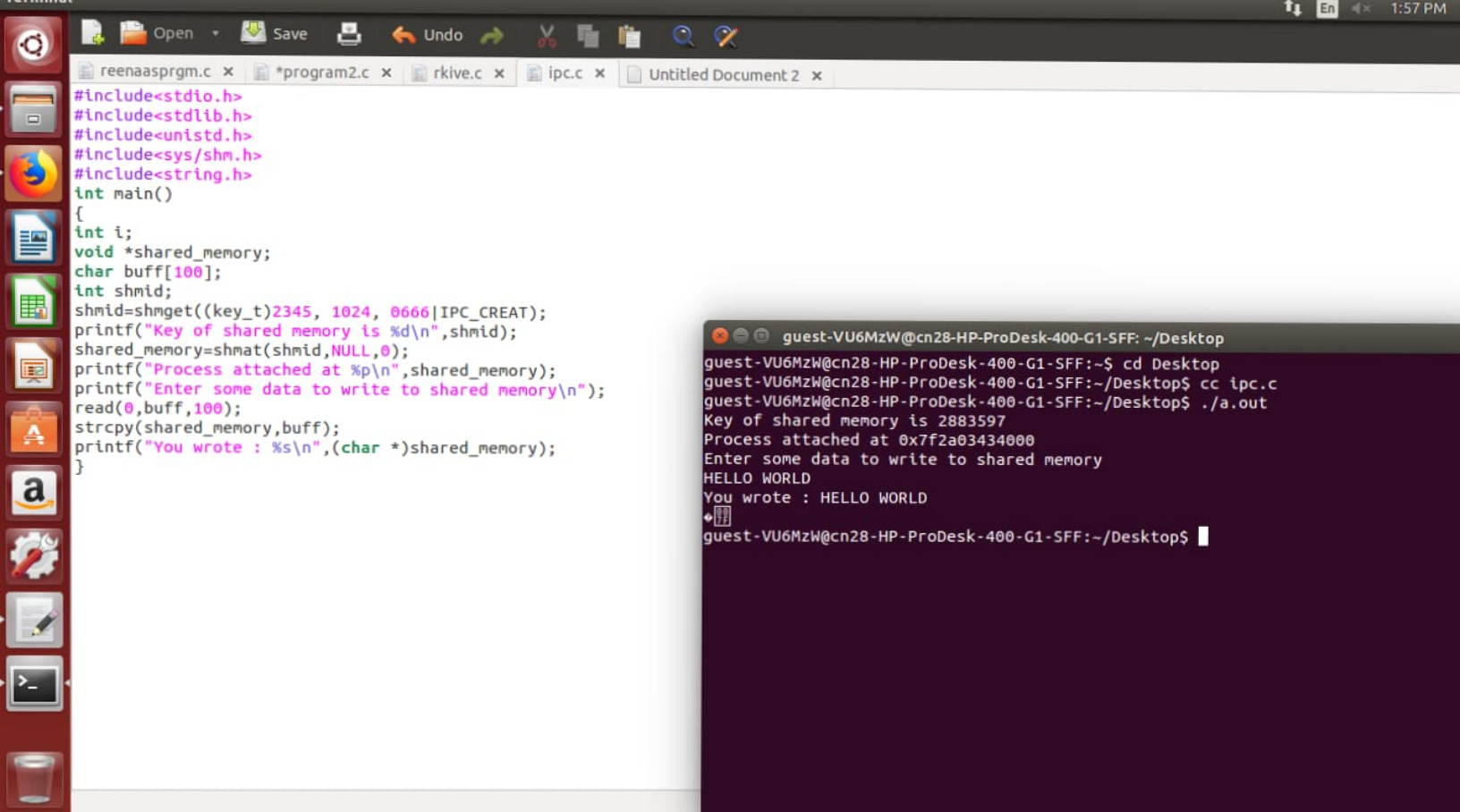
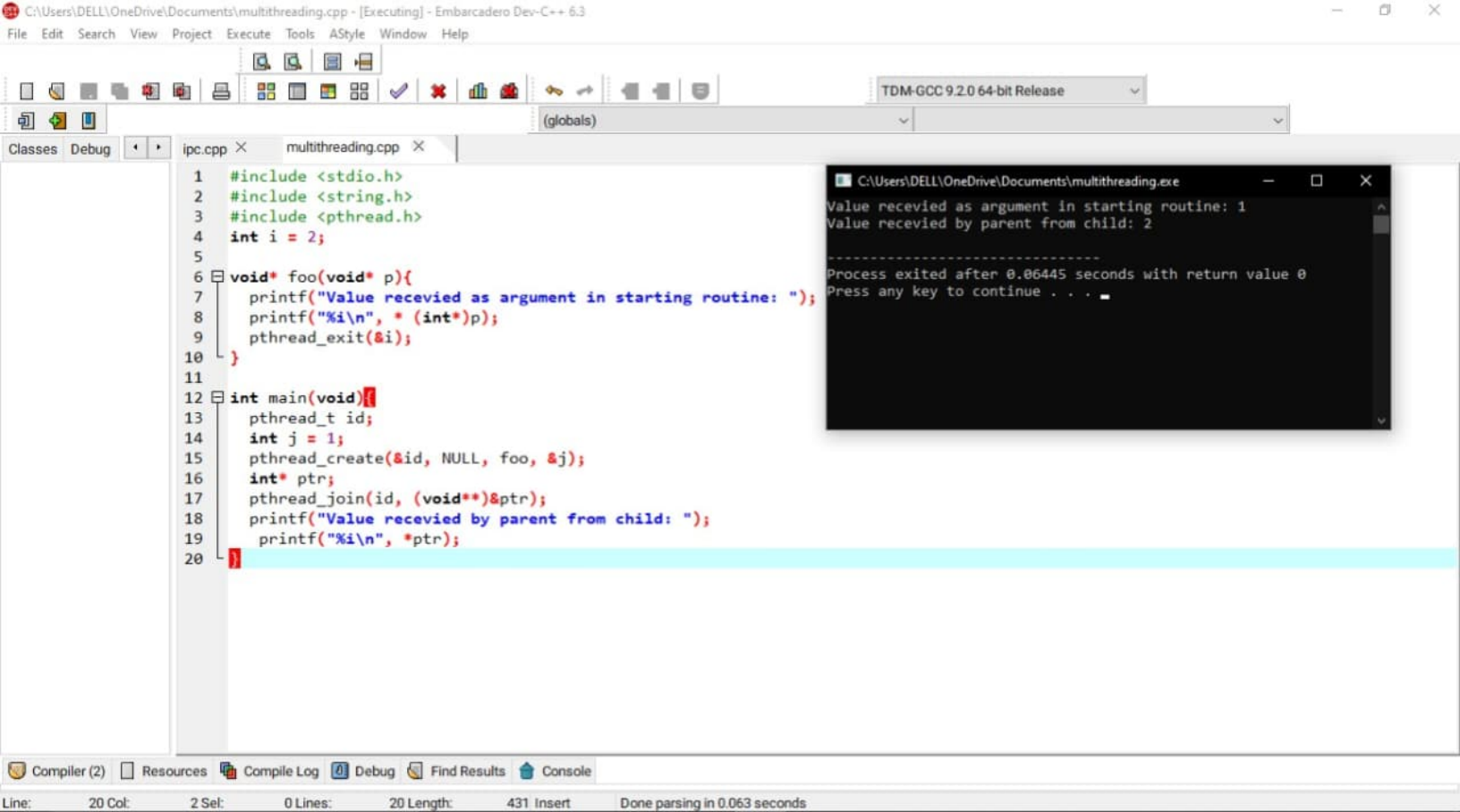
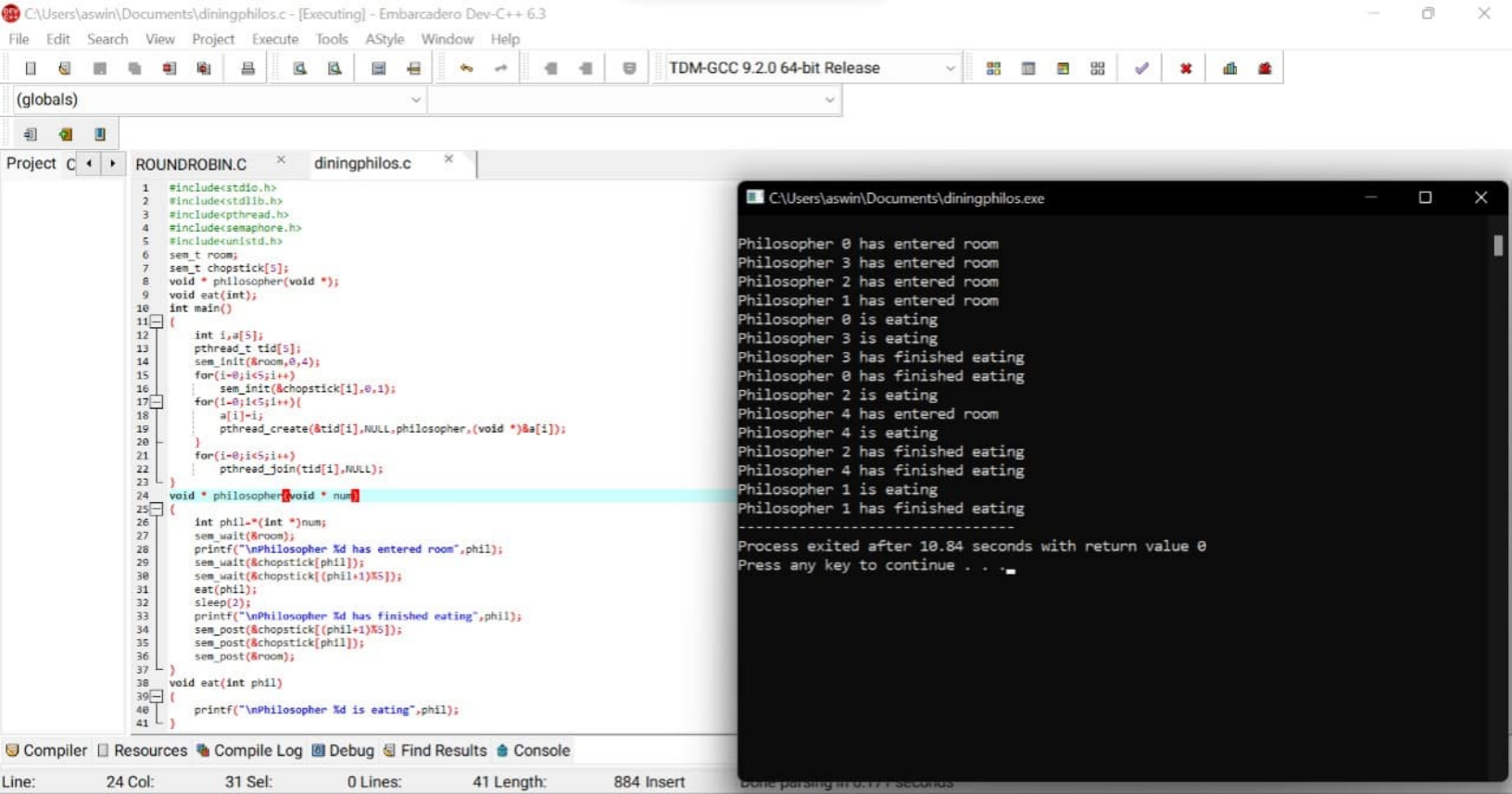
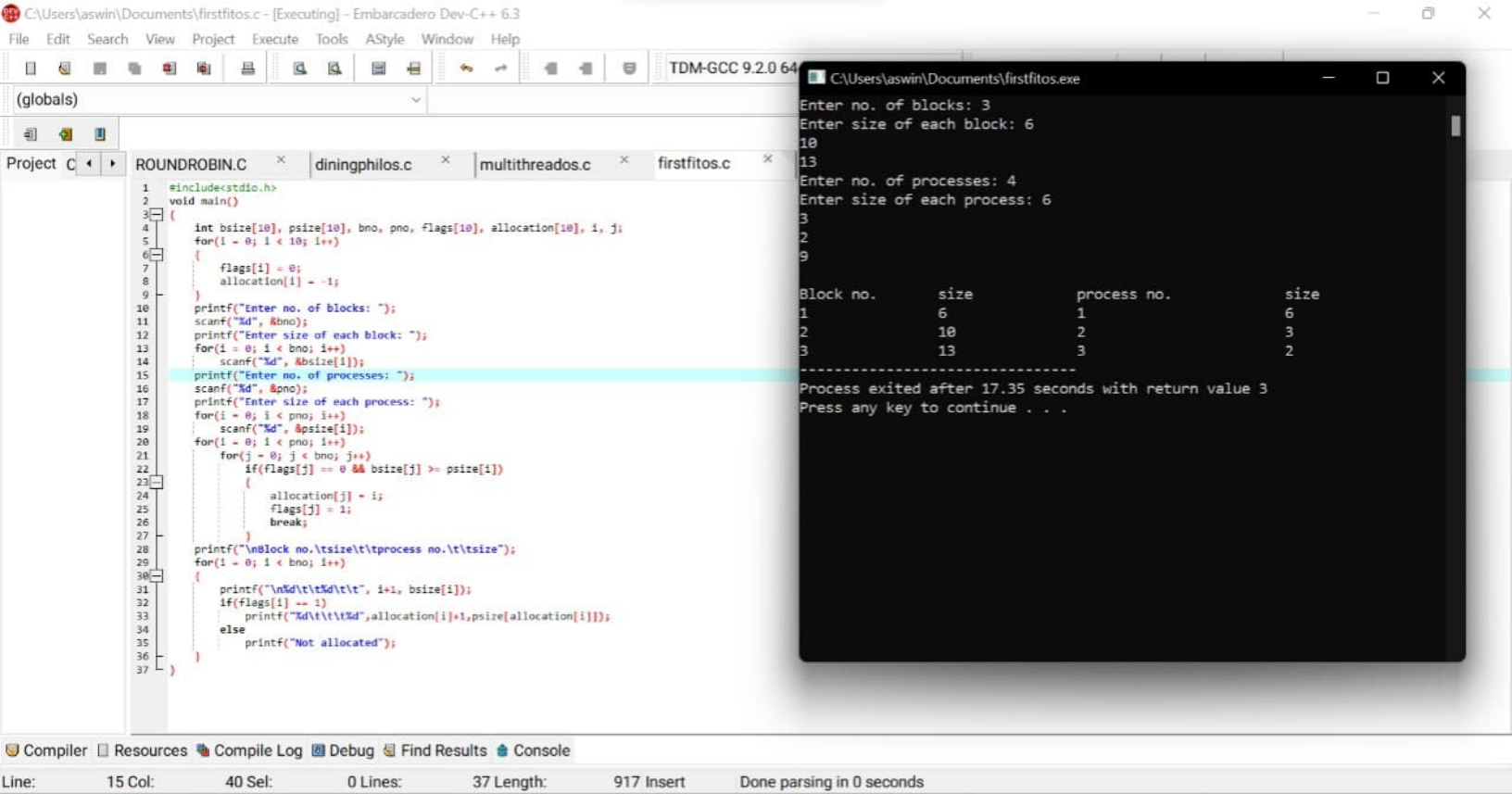

C:\Users\aswin\Documents\ROUNDROBIN.C - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project C
ROUNDROBIN.C
diningphilos.c
multithreados.c
#include<stdio.h>
#include<conio.h>
int main()
{
int i, NOP, sum=0,count=0, y, quant, wt=0, tat=0, at[10], bt[10], temp[10];
float avg_wt, avg_tat;
printf("Total number of process in the system: ");
scanf("%d", &NOP);
y = NOP;
for(i=0; i<NOP; i++)
{
printf("Enter the Arrival and Burst time of the Process[%d]\n", i+1);
printf("Arrival time is: ");
scanf("%d", &at[i]);
printf("Burst time is: ");
scanf("%d", &bt[i]);
temp[i] = bt[i];
}
printf("Enter the Time Quantum for the process: ");
scanf("%d", &quant);
printf("Process No \t\tBurst Time \t\t TAT\t\t Waiting Time ");
for(sum=0, i = 0; y!=0;)
{
if(temp[i] <= quant && temp[i] > 0)
{
sum = sum + temp[i];
temp[i] = 0;
count=1;
}
else if(temp[i] > 0)
{
temp[i] = temp[i] - quant;
sum = sum + quant;
Compiler
Resources
Compile Log
Debug
Find Results
Console
Close
Abort Compilation
Shorten compiler path
- Output Filename: C:\Users\aswin\Documents\ROUNDROBIN.exe
- Output Size: 323.7841796875 KiB
- Compilation Time: 0.17s
Line: 50 Col: 8 Sel: 0 Lines: 61 Length: 1530 Insert
Done parsing in 0 seconds
C:\Users\aswin\Documents\ROUNDROBIN.exe
Total number of process in the system: 4
Enter the Arrival and Burst time of the Process[1]
Arrival time is: 0
Burst time is: 9
Enter the Arrival and Burst time of the Process[2]
Arrival time is: 3
Burst time is: 1
Enter the Arrival and Burst time of the Process[3]
Arrival time is: 7
Burst time is: 21
Enter the Arrival and Burst time of the Process[4]
Arrival time is: 7
Burst time is: 32
Enter the Time Quantum for the process: 6
Process No Burst Time TAT Waiting Time
Process No[2] 1 4 3
Process No[1] 9 22 13
Process No[3] 21 42 21
Process No[4] 32 56 24
Average Turn Around Time: 15.250000
Average Waiting Time: 31.000000
Process exited after 23.21 seconds with return value 0
Press any key to continue . . .


Open
Save
Undo
reenaasprgm.c
*program2.c
rkive.c
ipc.c
Untitled Document 2
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<sys/shm.h>
#include<string.h>
int main()
{
int i;
void *shared_memory;
char buff[100];
int shmid;
shmid=shmget((key_t)2345, 1024, 0666|IPC_CREAT);
printf("Key of shared memory is %d\n",shmid);
shared_memory=shmat(shmid,NULL,0);
printf("Process attached at %p\n",shared_memory);
printf("Enter some data to write to shared memory\n");
read(0,buff,100);
strcpy(shared_memory,buff);
printf("You wrote : %s\n",(char *)shared_memory);
}
guest-VU6MzW@cn28-HP-ProDesk-400-G1-SFF: ~/Desktop
guest-VU6MzW@cn28-HP-ProDesk-400-G1-SFF:~$ cd Desktop
guest-VU6MzW@cn28-HP-ProDesk-400-G1-SFF:~/Desktop$ cc ipc.c
guest-VU6MzW@cn28-HP-ProDesk-400-G1-SFF:~/Desktop$ ./a.out
Key of shared memory is 2883597
Process attached at 0x7f2a03434000
Enter some data to write to shared memory
HELLO WORLD
You wrote : HELLO WORLD
guest-VU6MzW@cn28-HP-ProDesk-400-G1-SFF:~/Desktop$


C:\Users\DELL\OneDrive\Documents\multithreading.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Classes Debug
ipc.cpp
multithreading.cpp
#include <stdio.h>
#include <string.h>
#include <pthread.h>
int i = 2;
void* foo(void* p){
printf("Value recevied as argument in starting routine: ");
printf("%i\n", * (int*)p);
pthread_exit(&i);
}
int main(void){
pthread_t id;
int j = 1;
pthread_create(&id, NULL, foo, &j);
int* ptr;
pthread_join(id, (void**)&ptr);
printf("Value recevied by parent from child: ");
printf("%i\n", *ptr);
}
C:\Users\DELL\OneDrive\Documents\multithreading.exe
Value recevied as argument in starting routine: 1
Value recevied by parent from child: 2
Process exited after 0.06445 seconds with return value 0
Press any key to continue . . .
Compiler (2) Resources Compile Log Debug Find Results Console
Line: 20 Col: 2 Sel: 0 Lines: 20 Length: 431 Insert Done parsing in 0.063 seconds


C:\Users\aswin\Documents\diningphilos.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project C
ROUNDROBIN.C
diningphilos.c
#include<stdio.h>
#include<stdlib.h>
#include<pthread.h>
#include<semaphore.h>
#include<unistd.h>
sem_t room;
sem_t chopstick[5];
void * philosopher(void *);
void eat(int);
int main()
{
int i,a[5];
pthread_t tid[5];
sem_init(&room,0,4);
for(i=0;i<5;i++)
sem_init(&chopstick[i],0,1);
for(i=0;i<5;i++){
a[i]=i;
pthread_create(&tid[i],NULL,philosopher,(void *)&a[i]);
}
for(i=0;i<5;i++)
pthread_join(tid[i],NULL);
}
void * philosopher(void * num)
{
int phil=*(int *)num;
sem_wait(&room);
printf("\nPhilosopher %d has entered room",phil);
sem_wait(&chopstick[phil]);
sem_wait(&chopstick[(phil+1)%5]);
eat(phil);
sleep(2);
printf("\nPhilosopher %d has finished eating",phil);
sem_post(&chopstick[(phil+1)%5]);
sem_post(&chopstick[phil]);
sem_post(&room);
}
void eat(int phil)
{
printf("\nPhilosopher %d is eating",phil);
}
Compiler Resources Compile Log Debug Find Results Console
Line: 24 Col: 31 Sel: 0 Lines: 41 Length: 884 Insert
C:\Users\aswin\Documents\diningphilos.exe
Philosopher 0 has entered room
Philosopher 3 has entered room
Philosopher 2 has entered room
Philosopher 1 has entered room
Philosopher 0 is eating
Philosopher 3 is eating
Philosopher 3 has finished eating
Philosopher 0 has finished eating
Philosopher 2 is eating
Philosopher 4 has entered room
Philosopher 4 is eating
Philosopher 2 has finished eating
Philosopher 4 has finished eating
Philosopher 1 is eating
Philosopher 1 has finished eating
Process exited after 10.84 seconds with return value 0
Press any key to continue . . .


C:\Users\aswin\Documents\firstfitos.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64
(globals)
Project C
ROUNDROBIN.C
diningphilos.c
multithreados.c
firstfitos.c
#include<stdio.h>
void main()
{
int bsize[10], psize[10], bno, pno, flags[10], allocation[10], i, j;
for(i = 0; i < 10; i++)
{
flags[i] = 0;
allocation[i] = -1;
}
printf("Enter no. of blocks: ");
scanf("%d", &bno);
printf("Enter size of each block: ");
for(i = 0; i < bno; i++)
scanf("%d", &bsize[i]);
printf("Enter no. of processes: ");
scanf("%d", &pno);
printf("Enter size of each process: ");
for(i = 0; i < pno; i++)
scanf("%d", &psize[i]);
for(i = 0; i < pno; i++)
for(j = 0; j < bno; j++)
if(flags[j] == 0 && bsize[j] >= psize[i])
{
allocation[j] = i;
flags[j] = 1;
break;
}
printf("\nBlock no.\tsize\t\tprocess no.\t\tsize");
for(i = 0; i < bno; i++)
{
printf("\n%d\t\t%d\t\t", i+1, bsize[i]);
if(flags[i] == 1)
printf("%d\t\t\t%d",allocation[i]+1,psize[allocation[i]]);
else
printf("Not allocated");
}
}
C:\Users\aswin\Documents\firstfitos.exe
Enter no. of blocks: 3
Enter size of each block: 6
10
13
Enter no. of processes: 4
Enter size of each process: 6
3
2
9
Block no. size process no. size
1 6 1 6
2 10 2 3
3 13 3 2
Process exited after 17.35 seconds with return value 3
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Console
Line: 15 Col: 40 Sel: 0 Lines: 37 Length: 917 Insert Done parsing in 0 seconds