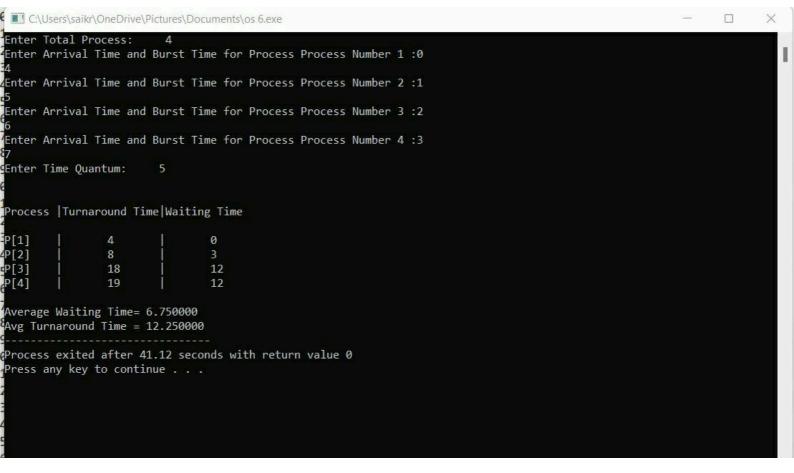
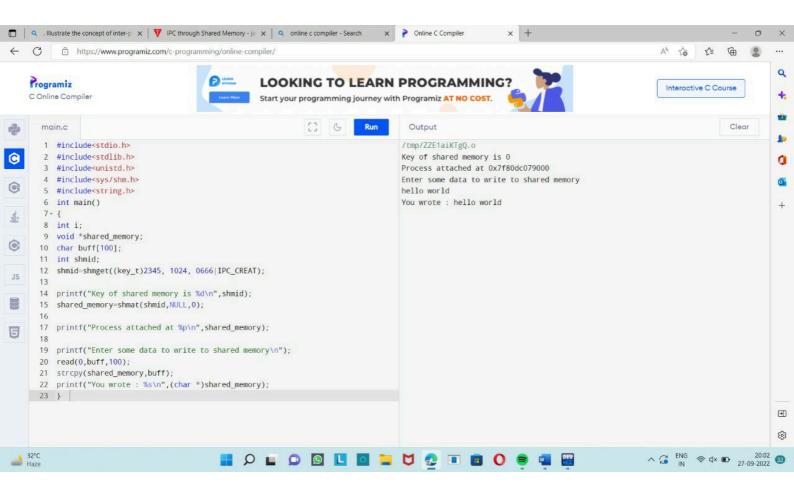
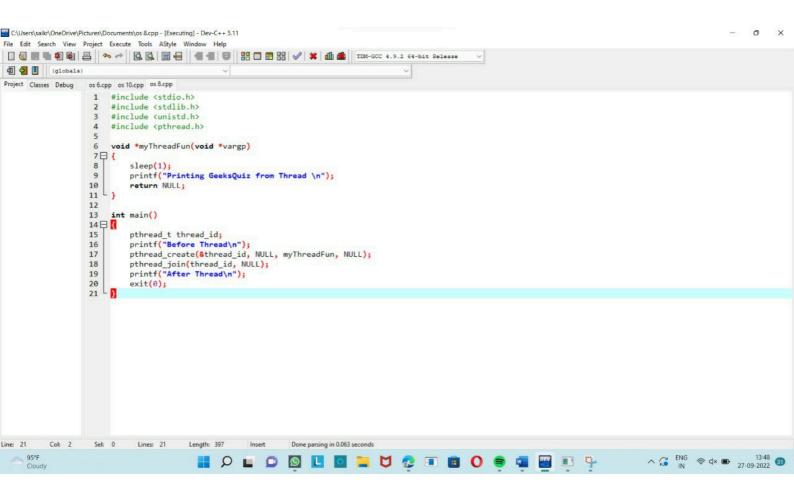
```
C:\Users\saikr\OneDrive\Pictures\Documents\os 6.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug os 6.cpp
                          int wait_time=0,turnaround_time=0,at[10],bt[10],rt[10];
printf("Enter Total Process:\t ");
scanf("%d",&n);
                    8
                   10
                           remain=n;
                          for(count=0;count<n;count++)
                   11
                   12日
                            printf("Enter Arrival Time and Burst Time for Process Process Number %d :",count+1);
scanf("%d",&at[count]);
scanf("%d",&bt[count]);
                   13
                   14
                   16
17
                            rt[count]=bt[count];
                   18
                          printf("Enter Time Quantum: \t");
                          scanf("%d",&time_quantum);
printf("\n\nProcess\t|Turnaround Time|Waiting Time\n\n");
                   19
                   20
                   21
22 日
                           for(time=0,count=0;remain!=0;)
                   23
                            if(rt[count]<=time_quantum && rt[count]>0)
                   24 🖹
                   25
                              time+=rt[count];
                              rt[count]=0;
flag=1;
                   26
                   27
                   28
                   29
30日
                             else if(rt[count]>0)
                   31
                              rt[count]-=time_quantum;
                   32
                              time+=time_quantum;
                   33
                    34
                             if(rt[count] == 0 && flag == 1)
                   35 🖹
                   36
                              printf("P[%d]\t|\t%d\t|\t%d\n",count+1,time-at[count],time-at[count]-bt[count]);
wait_time+=time-at[count]-bt[count];
turnaround_time+=time-at[count];
                   37
38
                    39
                   40
                              flag=0;
                   41
Line: 42
                              Lines: 53
          Col: 19
                     Sel: 0
                                          Length: 1327
                                                        Insert
                                                                 Done parsing in 0.015 seconds
  93°F
```







C:\Users\saikr\OneDrive\Pictures\Documents\os 8.exe	1000	×
Before Thread Printing GeeksQuiz from Thread After Thread		ı
Process exited after 1.049 seconds with return value 0 Press any key to continue		
		5

```
C:\Users\saikr\OneDrive\Pictures\Documents\os 9.cpp - [Executing] - Dev-C++ 5.11
                                                                                                                                               a x
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug os 6.cpp os 10.cpp os 8.cpp os 9.cpp
                 1 #include<stdio.h>
                    #define n 4
                 5 int compltedPhilo = 0,i;
                 7 struct fork{
8 int taken;
9 }ForkAvil[n];
                10
                11 □ struct philosp{
                int left;
int right;
}Philostatus[n];
                printf("Philosopher %d completed his dinner\n",philID+1);
                21
                22
                23
24
                               Philostatus[philID].left = Philostatus[philID].right = 10;
                               int otherFork = philID-1;
                 25
                               if(otherFork== -1)
                26
27
                                  otherFork=(n-1);
                 28
                               ForkAvil[philID].taken = ForkAvil[otherFork].taken = 0;
printf("Philosopher %d released fork %d and fork %d\n",philID+1,philID+1,otherFork+1);
                29
                 30
                 31
                                compltedPhilo++;
                 32
                33日
34日
35日
                            else if(Philostatus[philID].left==1 && Philostatus[philID].right==0){
                                   if(philID==(n-1)){
   if(ForkAvil[philID].taken==0){
                                             Insert
Line: 87
        Col: 2
                          Lines: 87
                 Sel: 0
                                    Length: 3185
                                                       Done parsing in 0 seconds
 93°F
```

```
a ×
C:\Users\saikr\OneDrive\Pictures\Documents\os 10.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug os 6.cpp os 10.cpp
                       1 #include<stdio.h>
                            int main( )
                        3日 (
                                  int bsize[10], psize[10], bno, pno, flags[10], allocation[10], i, j;
for(i = 0; i < 10; i++)</pre>
                        4 5
                        6日
                                  flags[i] = 0;
allocation[i] = -1;
                        7 8
                                  printf("Enter no. of blocks: ");
                       10
                                  printf("Enter no. of blocks: ");
scanf("%d", &bno);
printf("\nEnter size of each block: ");
for(i = 0; i < bno; i++)
    scanf("%d", &bsize[i]);
printf("\nEnter no. of processes: ");
scanf("%d", &pno);
printf("\nEnter size of each process: ");
for(i = 0; i < com; i++)</pre>
                       11
                       12
                       13
                       14
                       15
16
                       17
                                  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])
                       18
                       19
                       20
                       21
                       22
                       23日
                                                allocation[j] = i;
flags[j] = 1;
                       25
                       26
27
                                                 break;
                       28
                                  printf("\nBlock no.\tsize\t\tprocess no.\t\tsize");
for(i = 0; i < bno; i++)</pre>
                       29
                       30
                       31日
                                       printf("\n%d\t\t%d\t\t", i+1, bsize[i]);
                       32
                       33
                                       if(flags[i] == 1)
                                       printf("%d\t\t\t%d",allocation[i]+1,psize[allocation[i]]);
else
                       34
                       35
                                                               Insert
Line: 39
            Col: 1
                                                  Length: 929
                                                                             Done parsing in 0 seconds
                        Sel: 0
                                    Lines: 39
  95°F
```

C:\Users\saikr\OneDrive\Pictures\Documents\os 10.exe					V222	×	
Enter no.	of blocks: 4						
Enter size 4 5 6	of each block:	3					
Enter no.	of processes: 4						
Enter size ⁄3 4 5	of each process	s: 2					
Block no.	size	process no.	size				
1	3 4	1 2	2 3				
Z 3	5	3	4				
4	6	4	5				
	ited after 11.9! key to continue	5 seconds with return va	lue 0				