CPU SCHEDULING ALGORITHM

FORLEDISKA AMELIA SITORUS P

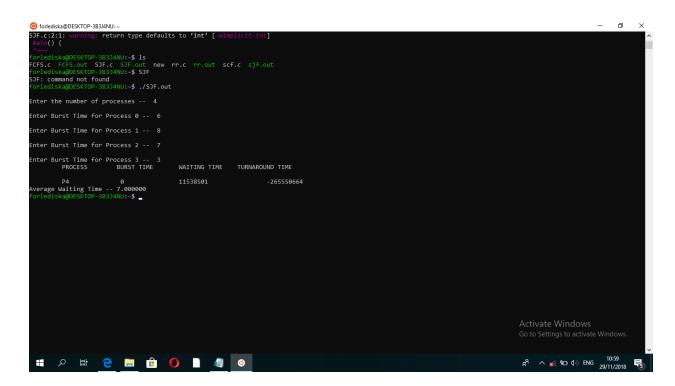
17.01.53.2006

FCFS CPU SCHEDULING ALGORITHM

```
O
forlediska@DESKTOP-3B3J4NU: -
        orlediska@DESKTOP-3B3J4NU:~$ vi FCFS.corlediska@DESKTOP-3B3J4NU:~$ ./FCFS.out
 Enter the number of processes -- 3
 Enter Burst Time for Process 0 -- 24
     nter Burst Time for Process 1 -- 3
      nter Burst Time for Process 2 -- 3
PROCESS BURST TIME
     P0 24 0 24
P1 3 24 27
P2 3 27 30
verage Waiting Time -- 17.000000 Forlediska@DESKTOP-3B3J4NU:~$ _
     # 2 詳 @ 篇 ⑥ ] [6 4 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g^{Q} \wedge g_{R} \square g_{R} g_{R
 forlediska@DESKTOP-3B3J4NU: -
      main()
                           int bt[20], wt[20], tat[20], i, n;
float wtavg, tatavg;
printf(\\nenter the number of processcanf(\'\dagger', &n);
for(i=0;i<n;i++)</pre>
                              }
wt[0] = wtavg = 0;
tat[0] = tatavg = bt[0];
for(i=1;i<n;i++);</pre>
                                                            wt[i] = wt[i-1] +bt[i-1];
tat[i] = tat[i-1] +bt[i];
wtavg = wtavg + wt[i];
tatavg = tatavg + tat[i];
                            }
printf("\t PROCESS \tBURST TIME \t WAITING TIME\t TURNAROUND TIME\n");
for(i=0;kn;i++)
printf('\n\t P%d \t\t %d \t\t %d', i, bt[i], wt[i], tat[i]);
printf('\nAverage Waiting Time -- %f', wtavg/n);
printf('\nAverage Turnaround Time -- %f', tatavg/n);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29,1-8 All

A<sup>R</sup> ∧ x □ 4 □ ENG 11:15 28/11/2018 4
```

SJF CPU SCHEDULING ALGORITHM



ROUND ROBIN CPU SCHEDULING ALGORITHM

```
forlediska@DESKTOP-3B3J4NU: -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - o ×
                           int i,j,n,bu[10],wa[10],tat[10],t,ct[10],max;
float awt=0,att=0,temp=0;
printf("Enter the no of processes -- ");
scanf("%d",%n);
                                                            printf("\nEnter Burst Time for process \% d -- ", i+1); \\ scanf("\%d", \&bu[i]); \\ ct[i]=bu[i]; 
                           tat[i]=temp+bu[i];
temp=temp+bu[i];
bu[i]=0;
                                                                                                                                     {
bu[i]=bu[i]-t;
temp=temp+t;
                                                         wa[i]=tat[i]-ct[i];
att+=tat[i];
awt+=wa[i];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Activate Windows
                                       Intf( 'N\tPROCESS\t BURS' | IRF \t walling | IRF\t confidence | IRF\t walling | IRF\t 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9,10-24 75%
g<sup>Q</sup> ^ 6 🖂 (1) ENG 11:12
28/11/2018
                       ㅇ 탥 🤚 🗎 🚺 📗 🛐 🐠 🚳
      forlediska@DESKTOP-3B3J4NU: -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
      nter Burst Time for process 3 -- 3
     nter the size of time slice -- 3
```