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Course - Bsc. it
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Subject - Operating System

```
#include <stdio.h> int  
waiting_time (int proc [], int n, int  
burst_time [], int wait_time [])  
{ wait_time [0] = 0;  
  for (int i = 1; i < n; i++) waiting_time[i] =  
  burst_time[i-1] + wait_time[i-1]; return 0;  
}  
int turnaround_time (int proc, int n, int burst_time)  
{ int wait_time [n], tat [n], total_wt = 0, total_tat  
= 0;  
  int i;  
  waiting_time (proc, n, burst_time, wait_time);  
  turnaround_time (proc, n, burst_time, wait_time, tat);  
  printf ("Processes Burst waiting Turn around \n");  
  for (i = 0; i < n; i++) { total_wt = total_wt + wait-  
    time [i]; total_tat  
= total_tat + tat[i]; printf ("%d | + %d | + %d  
    \n", i+1,  
    burst_time [i], wait_time [i], tat[i]); }  
}
```

```
Print ("Average waiting time = %.f\n",  
(float) total-wt / (float) n);
```

```
Print ("Average turn around time = %.f\n", (float)  
total-tat / (float) n);
```

```
return 0;
```

```
}
```

```
int main () { int proc[] = {1, 2, 3};
```

```
int n = sizeof proc / sizeof
```

```
proc[0]; int burst-time = {5, 8, 12};
```

```
avgtime (proc, n, burst-time);
```

```
return 0;
```

```
}
```

```
C:\Users\hp\Documents\CCC.exe
Processes Burst Waiting Turn around
1 5 0 5
2 8 5 13
3 12 13 25
Average waiting time = 6.000000
Average turn around time = 14.333333
Process returned 0 (0x0) execution time : 0.269 s
Press any key to continue.
```