

Ques Name - Shubham Gosai

Section B.

Father Name - Mr. chandra pal singh

Type of paper

Course - Bsc It

= Practical

SI I.D. - 2005 1114

Campus - Dehradun

Ques 2

Ans 2 #include <stdio.h>
int main()

{ int bt[20], p[20], wt[20], tat[20];
i, j, n, total = 0, pos, temp;

float avg_wt, avg_tat;
printf("Enter number of process: ");
scanf("%d", &n);
printf("Enter Burst Time: ");

for (i = 0; i < n; i++)

{ printf("p%d: ", i+1);
scanf("%d", &bt[i]);
p[i] = i+1;

}


```
for (i=0; i<n; i++)
```

```
{
```

```
    pos = i;
```

```
    for (j=i+1; j<n; j++)
```

```
    { if (bt[i] < bt[pos])
```

```
        pos = j;
```

```
    }
```

```
    temp = bt[i];
```

```
    bt[i] = bt[pos];
```

```
    bt[pos] = temp;
```

```
    temp = p[i];
```

```
    p[i] = p[pos];
```

```
    p[pos] = temp;
```

```
}
```

```
wt[0] = 0;
```

```
for (i=1; i<n; i++)
```

```
{
```

```
    wt[i] = 0;
```

```
    for (j=0; j<i; j++)
```

```
        wt[i] += bt[j];
```

```
    total += wt[i];
```

```
}
```



```
avg-wt = (float) total / n;  
total = 0;
```

```
printf("n process Burst time  
waiting time Turnaround time");
```

```
for(i=0; i<n; i++)
```

```
{ tot[i] = bt[i] + wt[i];  
total += tot[i];
```

```
printf("n p %d\t\t %d\t\t %d\t\t %d",
```

```
p[i], b[i], wt[i], tot[i]);
```

```
}
```

```
avg-tat = (float) total / n;
```

```
printf("n Average waiting Time = %f",  
avg-wt);
```

```
printf("n Average Turnaround Time = %f",  
avg-tat);
```

```
}
```



```
timepass 3.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools- Plugins DsxyBlocks Settings Help
<global> main(): int
D:\bvc.\c program\timepass 3.exe
Enter number of process:4
Enter Burst Time:
p1:10
p2:2
p3:1
p4:4
Process Burst Time Waiting Time Turnaround Time
p3 1 0 1
p2 2 1 3
p4 4 3 7
p1 10 7 17
Average Waiting Time=2.750000
Average Turnaround Time=7.000000
Process returned 0 (0x0) execution time : 19.949 s
Press any key to continue.
printf("\n\nAverage Waiting Time=%f",avg_wt);
printf("\n\nAverage Turnaround Time=%f\n",avg_tat);
```

D:\bvc.\c program\timepass 3.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 50, Col 2, Pos 1189 Insert Read/Write default 10:44 AM 6/22/2021