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Course - Bsc IT Sem 2

Date
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Question - 2 :-

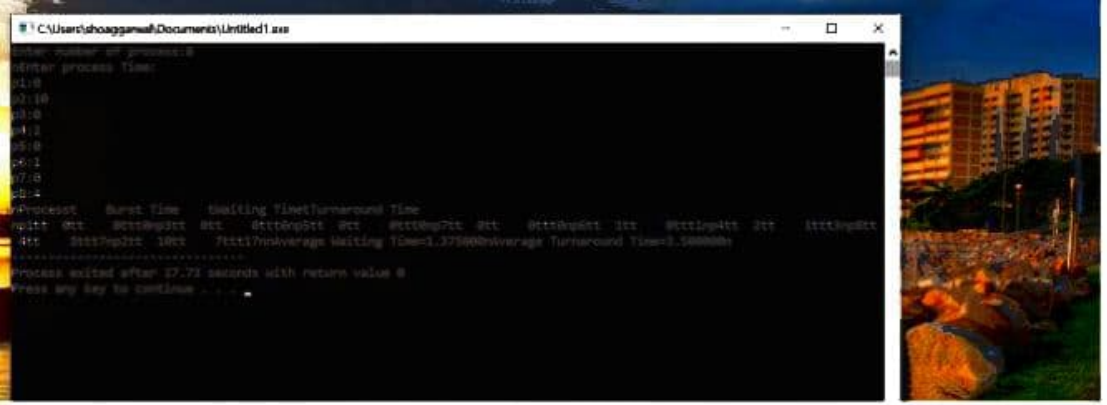
```
# include <stdio.h>
int main()
  {
   int
bt[20],p[20],wt[20], tat[20],
    i, j, n, total = 0, p
       os, temp;
  float avg_wt _ avg_tat;
printf("Enter number of process");
 scanf ("%d", &n);

 printf ("n Enter Burst Time:n");
   for (i=0; i<n; i++)
   {
    printf ("n Enter Burst Time :n");
    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[j] < 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 t Burst time
  t Waiting Time Turnaround Time");
  for (i = 0; i < n; i++)
```

```
{
tat[i] = bt[i] + wt[i];

    total += tat[i];
    printf("\np\t%d\t%d\t%d
\t%d", p[i], bt[i], wt[i],
                tat[i]);
    }
avg_tat = (float) total/n;
printf("\n\nAverage Waiting
Time = %f", avg_tat);
Time = %f", avg_wt);
printf("\nAverage Turnaround
time = %f", avg_tat);
    }
```

— X —

Niveeka.


C:\Users\shoaggarwal\Documents\Untitled1.exe
Process exited after 17.73 seconds with return value 0
Press any key to continue . . .