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Course - BSc IT
Semester - 2nd.

Subject - Operating System. (i).

Ans. Q. # 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("\nEnter 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];

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6.

$$W + [O] = 0,$$

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$1 + \text{waiting time} + \text{turnaround}$

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 $[i], \text{ for } [1];$

Print f(00) in Average Turnaround Time = % of 100, avg. tot); ③.

OUTPUT:-

Enter number of process:

Enter Burst time.

P1 : P2 : P3 : P4 :

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 Turn around time = 7.000000,

Prigamshu
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