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Paper Name - Mid-term Practical
Operating System
Paper Code - PBI 202

Answer 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("%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[i] = 0;
    for (j=0; j<1; j++)
        wt[i] += bt[j];
    total += wt[i];

```

```

}

```

```

avg_wt = (float) total / n;

```

```

total = 0;

```

```

printf("\n Process\t Burst Time\t waiting Time\t\n\t\t\t\t\t Turnaround Time");

```

```

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

```

```

{

```

```

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

```

```

    total += tat[i];

```

```

    printf("\n p\t\t\t\t\t %d\t\t\t\t\t %d\t\t\t\t\t %d\t\t\t\t\t %d\t\t\t\t\t %d", p[i], bt[i], wt[i], tat[i], total);

```

```

    , wt[i], tat[i]);

```

```

}

```

```

avg_tat = (float) total / n;

```

```

printf("\n\n Average waiting Time = %f", avg_wt);

```

```

printf("\n\n Average Turnaround Time = %f\n", avg_tat);

```

```

}

```

Aparsh

22-June-2021