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Paper name Operating System lab
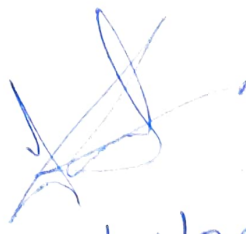PBI 202
Type of paper - Regular
Campus - Dehradun

Ans - 1

```c
#include <stdio.h>
# include <conio.h>
void main ()
{
int x, n, P[10], PP[10], Pt[10], w[10], cnt, atat, i;
Printf ("Please enter the number of customers:");
scanf ("%d", &n);
Printf ("\n Enter orders: time required to cook\n");
for ( i=0; i<n; i++)
{
   Printf ("\nOrder no %d:", i+1);
   scanf ("%d %d", &pt[i], &PP[i]);
   P [i] = i+1;
}
For (i=0; i<n-1; i++)
{
   for (int j=i+1; j<n; j++)
{
   if (PP[i] < PP[j])
{
x = PP[i];
PP[i] = PP[j];
PP[j] = x;
n = Pt[i]
Pt [i] = pt [j]
Pt [j] = n
n = P[i]
P[i] = P[j]
P[j] = n;
```

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```
w[0]=0;
awt [0] awt = 0;
t[0] = pt[0];
atat = t[0];
for (i=1; i<n; i++)
{
    w[i] = t[i-1];
    awt += w[i];
    t[i] = w[i] + pt[i];
    atat += t[i];
}
printf("\n\n Job \t Burst time \t wait time \t turn around time
    Pricerity \n");
for (i=0; i<n; i++)
printf("\n %d \t \t %d \t \t %d \t \t %d \n", P[i], pt[i], w[i], pp[i]);
awt /=n;
atat /=n;
printf("\n Average wait time : %d \n", awt);
printf("\n Average turn around time : %d \n", atat);
getch();
}
```

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