Name - Abhishek Tomas

Roll no - 2023016

Sem - 2nd Sem [mid Sem Practical]

Practical - operating System

Student Id - 20051085

Stection - 2A

```
&2 Perablem Statement & Solution
# include < stolio. h>
int main ()
int a[10], bt[10], et[10), end Time, i, smallest;
int remain = 0, m, time, sum_wait = 0, sum-trousaround = 0;
pount (" Entel number of processes: ");
Scary (" % d', & n);
for (i=0; i<n; i++)
    perint ("Enter arrival time for process P?od:", i+1);
    Scanf (" " lod", but (i));
    printif "Enter kurst line for process P?ad:", i+1);
    Scarf (' %d', & blli));
   etti) = bt[i);
 perint ("Inin Perocess It I then wround Time Iwailing Time Inin
  et [9] = 9999;
 for (time =0; remein!=n; time ++)
   Smallest = 9;
```

```
for (i=0; i<n; i++)
       € if (at[i) <= time && set[i) < set [smallest & & set[i] > 0)
     smallest =i;
   ent [smallest] -
   of ( out [smallest) == 0)
      remain ++;
    end Time = time +1;
  perints ("In PERod) It I It & d It I It & d", smallest +1, end time -
        at[smallest], end time-bt[smallest]-at[smallest]);
Sum- wail += end Zime - bt [smallest]-at[smallest];
 Sum trousaround += end Time - all smallest);
perint ("In In Average weating time = 9 of In", sum_wait x
          "In Aneloge Turnaround time - Pof", Sum_turnalound
                                              ¥ 1.015);
```