Operating System

Lab 6A: Scheduling algorithms

First Come First Serve is a scheduling algorithm used by the CPU to schedule jobs. It is a Non-Preemptive Algorithm. Priority is given according to which they are requested by the processor.

```
#include<stdio.h>

 int main()

{
    int n,bt[20],wt[20],tat[20],avwt=0,avtat=0,i,j;
    printf("Enter total number of processes(maximum 20):");
    scanf("%d",&n);

    printf("nEnter Process Burst Timen");
    for(i=0;i<n;i++)
    {
        printf("P[%d]:",i+1);
        scanf("%d",&bt[i]);
    }

    wt[0]=0;

    for(i=1;i<n;i++)
    {
        wt[i]=0;
        for(j=0;j<i;j++)
            wt[i]+=bt[j];
    }

    printf("nProcesstBurst TimetWaiting TimetTurnaround Time");

    for(i=0;i<n;i++)
    {
        tat[i]=bt[i]+wt[i];
        avwt+=wt[i];
        avtat+=tat[i];
        printf("nP[%d]tt%dtt%dtt%d",i+1,bt[i],wt[i],tat[i]);
    }

    avwt/=i;
    avtat/=i;
```

```
    printf("nnAverage Waiting Time:%d",avwt);
    printf("nAverage Turnaround Time:%d",avtat);

    return 0;
}
```