Ques-1 Write a program in C to implement

1. First come First Serve scheduling

```
#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:");
    scanf("%d", &n);
    printf("\n Enter Process Burst time");
    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("\n Process Burst Time Waiting Time
                        Turn around time");
    for (i=0; i<n; i++)
    {
        tat[i] = bt[i] + wt[i];
```

```
        awat += wt[i];
        avtat += tat[i];
        printf("\n P[%d] \t %d \t %d", i+1, bt[i],
                                wt[i], tat[i]);
    }
        awat /= i;
        avtat /= i;
        printf("\n\n Average waiting Time : %d", awat);
        printf("\n Average Turnaround Time : %d
                                ", avtat);
    return 0;
}
```

Output: Enter total number of processes : 3

Enter Process Burst time

P[1] : 33

P[2] : 2

P[3] : 1

process	Burst Time	Waiting time	Turnaround Ti
P[1]	33	0	33
P[2]	2	35	35
P[3]	1	35	36

Average waiting time : 22

Average Turnaround time : 34