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MOCK TEST (OPERATING SYSTEM).

Ques. C Program to implement FCFS.

```
#include<stdio.h>
#define Max 30
void main()
{
  int i, j, n, bt[max], at[max], wt[max],
   tat[max], temp[max];
float awt=0, atat=0;
printf("Enter the number of processes\n");
scanf("%d", &n);
printf("Enter the burst time of the processes\n");
    for(i=0; i<n; i++)
      scanf("%d", &bt[i]);
printf("Enter the arrival time of the processes\n");
    for(i=0; i<n; i++)
      scanf("%d", &at[i]);
  temp[0]=0;
printf("process\t burst time\t Arrival time\t
      waiting time\t  Turn around time\n");
  for(i=0; i<n; i++)
    { wt[i]=0;
      tat[i]=0;
```

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```
    temp[i+1] = temp[i] + bt[i];
    wt[i]     = temp[i] - at[i];
    tat[i]    = wt[i] + bt[i];

    awt = awt + wt[i];
    atat = atat + tat[i];
printf("%d\t %d\t\t %d\t\t %d\t\t %d\n",
        i+1, bt[i], at[i], wt[i], tat[i]);
  }
   awt = awt/n;
   atat = atat/n;
printf("Average WT = %f\n", awt);
printf("Average TAT = %f\n", atat);
 return 0;
}
```

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