Fcfs :

```
#include <stdio.h>

struct process {
    int at, st, ft;
} ready_list[10];

int n;

int dispatcher(int time) {
    for (int i = 0; i < n; i++) {
        if (ready_list[i].ft == 0 && ready_list[i].at <= time)
            return i;
    }
    return -1;
}

int main() {
    printf("Enter number of processes: ");
    scanf("%d", &n);

    for (int i = 0; i < n; i++) {
        printf("Enter Arrival Time and Service Time for Process %d: ", i + 1);
        scanf("%d %d", &ready_list[i].at, &ready_list[i].st);
    }

    int cur_time = 0, i = 0;
    while (i < n) {
        int pid = dispatcher(cur_time);
        if (pid == -1) {
            cur_time++;
            continue;
        }

        ready_list[pid].ft = cur_time + ready_list[pid].st;
        cur_time = ready_list[pid].ft;
        i++;
    }

    printf("Process\tAT\tBT\tFT\tTT\tWT\n");
    for (int i = 0; i < n; i++) {
        int tt = ready_list[i].ft - ready_list[i].at;
        int wt = tt - ready_list[i].st;
        printf("%d\t%d\t%d\t%d\t%d\t%d\n", i + 1, ready_list[i].at, ready_list[i].st, ready_list[i].ft,
tt, wt);
    }
```

```
    return 0;
}
```