- **Code for implementation FCFS in C programming language:**

```
#include <stdio.h>

struct process {
   char name[10];
   int burst;
   int waiting;
};

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

   struct process p[n];

   for (int i = 0; i < n; i++) {
      printf("Enter the name of process %d: ", i + 1);
      scanf("%s", p[i].name);

      printf("Enter the burst time of process %d: ", i + 1);
      scanf("%d", &p[i].burst);
   }

   p[0].waiting = 0;
   float totalWaiting = 0;

   for (int i = 1; i < n; i++) {
      p[i].waiting = p[i-1].waiting + p[i-1].burst;
      totalWaiting += p[i].waiting;
   }

   totalWaiting += p[0].waiting;

   printf("\nProcess  Burst  Waiting\n");
   for (int i = 0; i < n; i++) {
      printf("%s        %d     %d\n", p[i].name, p[i].burst, p[i].waiting);
   }

   float averageWaiting = totalWaiting / n;
```

```
    printf("\nAverage Waiting Time: %.2f\n", averageWaiting);

    return 0;
}
```

- **Output:**