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| **Roll No.** :3545 **Date of Performance: -** |
| **Title :First Come First Serve Date of Checking: -** |

FCFS Code-

#include<stdio.h>

int main()

{

int at[20],et[20],st[20],ft[20],tt[20],wt[20];

int i,n;

float sum;

printf("Enter the no of process");

scanf("%d",&n);

printf("\nEnter the arrival time");

for(i=0;i<n;i++)

{

printf("Process %d",i);

scanf("%d",&at[i]);

}

printf("\nEnter the excecuting time");

for(i=0;i<n;i++)

{

printf("Process %d",i);

scanf("%d",&et[i]);

}

//The start time

for(i=0;i<n;i++)

{

st[0]=at[0];

st[i+1]=st[i]+et[i];

}

//finish time

for(i=0;i<n;i++)

{

ft[i]=st[i]+et[i];

}

//turnaround time

for(i=0;i<n;i++)

{

tt[i]=ft[i]-at[i];

}

//waiting time

for(i=0;i<n;i++)

{

wt[i]=tt[i]-et[i];

}

printf("\nThe table for FCFS is:");

printf("\n\tArrival time Execution time Start time Finish time Turnaroundtime Waitingtime");

for(i=0;i<n;i++)

{

printf("\nProcess %d",i);

printf("\t%d\t%d\t\t%d\t\t%d\t%d\t%d",at[i],et[i],st[i],ft[i],tt[i],wt[i]);

}

for(i=0;i<n;i++)

{

sum=sum+wt[i];

}

printf("\navg waiting time is:%f",sum/n);

sum=0;

for(i=0;i<n;i++)

{

sum=sum+tt[i];

}

printf("\navg turnaround time is:%f",sum/n);

}

OUTPUT-

