**CODE:-(FCFS)**

import java.util.\*;

public class FCFS {

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter no of process: ");

int n = sc.nextInt();

int pid[] = new int[n];

int AR[] = new int[n];

int BT[] = new int[n];

int CT[] = new int[n];

int TAT[] = new int[n];

int WT[] = new int[n];

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

{

System.out.println("Enter process " + (i+1) + " arrival time: ");

AR[i] = sc.nextInt();

System.out.println("enter process " + (i+1) + " brust time: ");

BT[i] = sc.nextInt();

pid[i] = i+1;

}

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

{

for(int j=0; j < n-(i+1) ; j++)

{

if( AR[j] > AR[j+1] )

{

int temp;

temp = AR[j];

AR[j] = AR[j+1];

AR[j+1] = temp;

temp = BT[j];

BT[j] = BT[j+1];

BT[j+1] = temp;

temp = pid[j];

pid[j] = pid[j+1];

pid[j+1] = temp;

}

}

}

CT[0] = AR[0] + BT[0];

for(int i = 1 ; i < n; i++)

{

if( AR[i] > CT[i-1])

{

CT[i] = AR[i] + BT[i];

}

else

CT[i] = CT[i-1] + BT[i];

}

int avgWT=0,avgTAT=0;

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

{

TAT[i] = CT[i] - AR[i] ;

WT[i] = TAT[i] - BT[i] ;

avgWT += WT[i] ;

avgTAT += TAT[i] ;

}

System.out.println("\npid\tAT\tBT\tCT\tTAT\tWT");

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

{

System.out.println(pid[i] + " \t " + AR[i] + "\t" + BT[i] + "\t" + CT[i] + "\t" + TAT[i] + "\t" + WT[i] ) ;

}

sc.close();

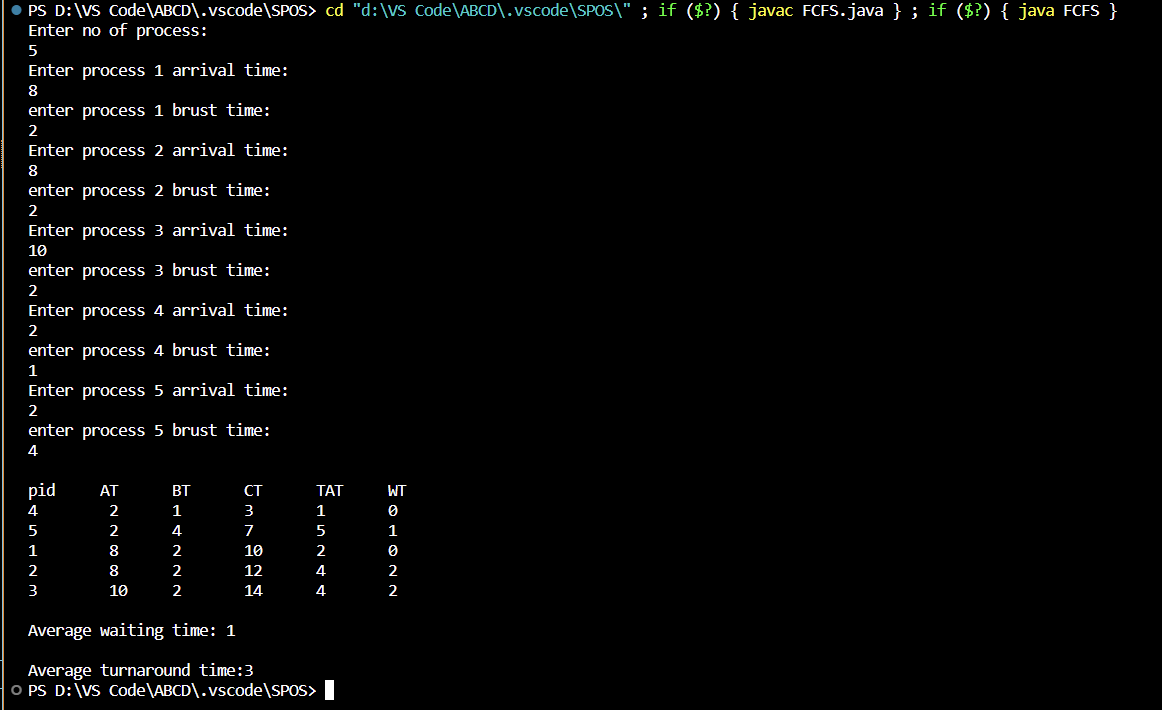
System.out.println("\nAverage waiting time: "+ (avgWT/n));

System.out.println("\nAverage turnaround time:"+(avgTAT/n));

}

}

**OUTPUT:-**

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