**Assignment 4.1**

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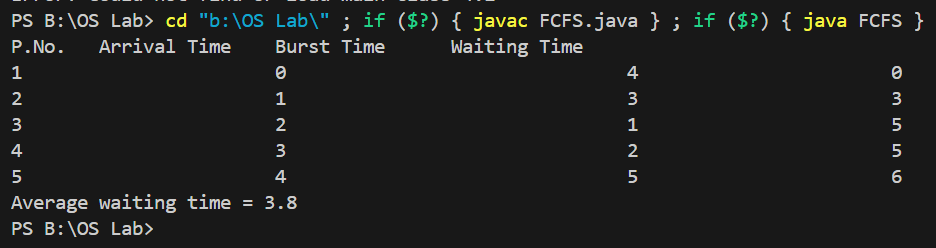
**Div**: CS B SY

**Batch**: 3

**FCFS**

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| --- |
| class FCFS  {  static void CalculateWaitingTime(int at[],  int bt[], int N)  {  int []wt = new int[N];  wt[0] = 0;  System.out.print("P.No.\tArrival Time\t"  + "Burst Time\tWaiting Time\n");  System.out.print("1"  + "\t\t\t" + at[0]+ "\t\t\t\t"  + bt[0]+ "\t\t\t" + wt[0] +"\n");  for (int i = 1; i < 5; i++) {  wt[i] = (at[i - 1] + bt[i - 1] + wt[i - 1]) - at[i];       System.out.print(i + 1+ "\t\t\t" + at[i]  + "\t\t\t\t" + bt[i]+ "\t\t\t"  + wt[i] +"\n");  }  float average;  float sum = 0;    for (int i = 0; i < 5; i++) {  sum = sum + wt[i];  }  average = sum / 5;  System.out.print("Average waiting time = "  + average);  }  public static void main(String[] args)  {  int N = 5;  int at[] = { 0, 1, 2, 3, 4 };  int bt[] = { 4, 3, 1, 2, 5 };  CalculateWaitingTime(at, bt, N);  }  } |

**Output:**

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