In order to solve the following questions, you will need to:

1. Research, read and understand the concepts and definitions associated with Processing

Time; Average Turnaround Time, Arrival Time; Time Quantum.

1. Use the following four set of triplets, which you need to read as follows (process, arrival time, processing time): (alpha, 0, 3); (betha, 1.001, 6); (gamma, 4.001, 4); (delta, 6.001, 2)

Note: **arrival time & processing time are in seconds**

**Each triplet is pretty much a process**

**Question 1**

**[50 points]**

For all the four triplets (processes), draw ONLY ONE horizontal progress bar a.k.a chart that shows their execution when:

1. **FCFS is used**

Chart Here:

Explanation here:

1. **SJF is used**

Chart Here:

Explanation here:

1. **SRT is used**

Chart Here:

Explanation here:

1. **RR is used (With a time quantum of one)**

Chart Here:

Explanation here:

**Question 2**

For the set of triplets listed on (b), please compute the average turnaround time (You must round to the nearest hundredth) when

1. **FCFS is used**

Solution here:

1. **SJF is used**

Solution here:

1. **SRT is used**

Solution here:

1. **RR is used RR is used (With a time quantum of one)**

Solution here:

Presentation and readability will be part of your grade.

**Due: Monday March the 5th – At the Beginning of class.**

**Assignments will be collected on time 🡪 at the very beginning of class.**

Important 🡪 Make sure that you read, review and fully understand your assignment and its concepts. This concepts can be included in a test, pop-up quiz, and comprehensive exam

**What can I do to maximize my chances of getting a good grade?**

* Presentation and readability will be part of your grade.
* You must show all your work
* All your work must be step by step.
* Explanations must be clear and legible
* You need to solve and explain this assignment, as if you were explaining it to a 5 year old or a golden retriever
* Complete all the questions
* Deliver the assignment on time
* Do not cheat