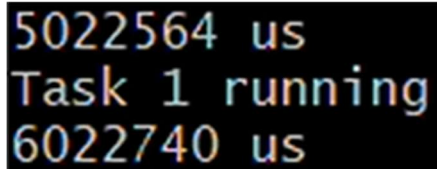


Question 6

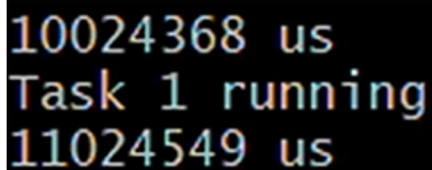
First Execution:



```
5022564 us
Task 1 running
6022740 us
```

Execution time = $6022740 \text{ us} - 5022564 \text{ us} = 1000176 \text{ us}$

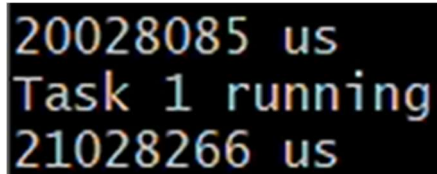
Second Execution:



```
10024368 us
Task 1 running
11024549 us
```

Execution time = $11024549 \text{ us} - 10024368 \text{ us} = 1000181 \text{ us}$

Third Execution:



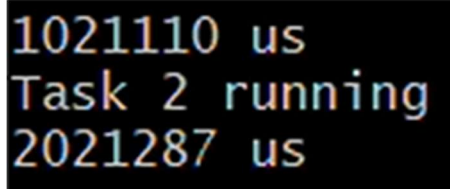
```
20028085 us
Task 1 running
21028266 us
```

Execution time = $21028266 \text{ us} - 20028085 \text{ us} = 1000181 \text{ us}$

From these three executions of Task 1, the average execution time was 1000238 us.

With Task 1's implementation almost equivalent to Tasks 2 to 5 (only differing by their task number), we could incorporate their runtimes to further determine the average execution time of each task.

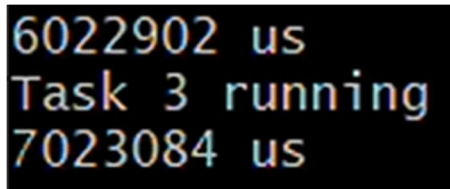
Task 2



```
1021110 us  
Task 2 running  
2021287 us
```

Runtime = 2021287 us – 1021110 us = 1000177 us

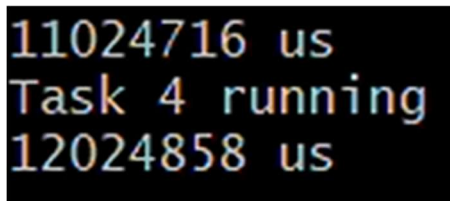
Task 3



```
6022902 us  
Task 3 running  
7023084 us
```

Runtime = 7023084 us – 6022902 us = 1000182 us

Task 4



```
11024716 us  
Task 4 running  
12024858 us
```

Runtime = 12024858 us – 11024716 us = 1000142 us

With the execution time of these tasks included, the average execution time of each task is 1000203 us.