**First Matlab Assignment**

**Due Date: Sunday (13 -10- 2016)**

**Q1**…. On the command window write the following commands:

* Define a variable m1, give it the value 45.
* Define m2 as half of m1.
* Let m3 be the sum of $2^{m2}$ and $\cos((3m1))$.
* Now, give m2 the value 71.
* What is the value of m3 after the last change?

**Q1**…. Write a Script on M-File that perform the following:

* The input is marks of a student during the semester (out of 100).
* The output is the total.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First midterm | Second midterm | Lecture Quiz | FinalExam | First TutorialQuiz | Second TutorialQuiz | Matlab Sheets | Paticipation | Total |
| **20** | **20** | **5** | **40** | **4** | **4** | **2** | **5** | **100** |

**Then Run This Script Tow Times**

* First time for Sarah:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| First midterm | Second midterm | Lecture Quiz | FinalExam | First TutorialQuiz | Second TutorialQuiz | Matlab Sheets | Paticipation |
| **15.7** | **10.5** | **2.2** | **18.5** | **2.3** | **1.75** | **1** | **2** |

* Second time Nora:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| First midterm | Second midterm | Lecture Quiz | FinalExam | First TutorialQuiz | Second TutorialQuiz | Matlab Sheets | Paticipation |
| **18** | **19** | **3** | **35** | **4** | **3.75** | **1.9** | **5** |