Assignment # 02

Deadline: Tuesday, Jan 17, 2017 11:59PM

Submission Instructions:

- Submit a single **8086** assembly language program file.
- Your file name must be A2_[your-roll-no].asm (e.g., A2_BCSF15M001.asm)
- You have to submit the file through email, and the title of your email must be Assignment2_[your-section]_[your-roll-no] (e.g., Assignment2_Morning_BCSF15M001 or Assignment2_Afternoon_BCSF15A001)
- You must follow the naming conventions, or you will be awarded with a **ZERO** in this assignment.
- You have to email your solution of this assignment to ahmad.muhammad@pucit.edu.pk before the deadline.
- Any submission which is after the deadline, or which doesn't follow the naming conventions, will be discarded and will not be evaluated, so you'll have to be careful about the naming conventions. (Believe me, you don't want to throw away your hard work just because you didn't follow the naming conventions, so be careful while submitting your solution)

Description and Requirement:

Preceding the Assignment # 01, you've to implement the next deliverable for the dump command, which includes:

- Writing a program which takes input 3 numbers in hexa-decimal form
  1. Segment address.
  2. Starting offset address.
  3. Ending offset address.
- The program should display the data exactly as the dump command displays. Your program should start displaying the data from the starting offset address (2nd input), till the ending offset address (3rd input) in the specified segment address (1st input).

Sample Run 1:

```
Segment address: 2341
Starting offset address: 0103
Ending offset address: 013A
2341:0100          75 17 83 3E 76-5C 00 75 05 2B C0 99 EB      u..>v\.u.+...
3241:0110  00 F0 46 74 00 00 B2 00-B2 14 99 00 2E 07 2E 07   ..Ft............
2341:0120  D2 75 04 23 C0 74 08 83-46 0C 10 83 56 0E 00 83   .u.#.t..F...V...
2341:0130  13 83 7E 14 FF 75 0D A1-60 1A 8B                  ..~..u..`..
```

Sample Run 2:

```
Segment address: 124F
Starting offset address: 022A
Ending offset address: 0272
124F:0220                               13 83 7E 14 FF 75            ..~..u
124F:0230  00 F0 46 74 00 00 B2 00-B2 14 99 00 2E 07 2E 07   ..Ft............
124F:0240  D2 75 04 23 C0 74 08 83-46 0C 10 83 56 0E 00 83   .u.#.t..F...V...
124F:0250  7E 12 FF 75 10 83 7E 10-FF 75 0A C7 46 10 00 00   ~..u..~..u..F...
124F:0260  14 89 56 16 8B 46 14 8B-56 16 23 D2 75 04 23 C0   ..V..F..V.#.u.#.
124F:0270  13 83 7E                                          ..~
```

Sample Run 3:

```
Segment address: 3520
Starting offset address: 0252
Ending offset address: 025C
124F:0250        46 74 00 00 B2 00-B2 14 99 00 2E             Ft.........
```