**Lab 3**

**CIS425** – Fall Term 2017

**Point Value**: 100 points

**Due Date**: **In class Thursday November 09, 2017**

**Submission Instruction**

Please submit one pdf file, lab3\_notes.pdf, to the instructor in lecture. This lab3\_note includes a detailed notes and the answers to the following questions.

**What you will need: a hosting computer with Linux/Ubuntu OS.**

**Please download the image.dd and image.md5 file from**

[**cis425@mathcswc.fontbonne.edu:~/image.dd**](mailto:cis425@mathcswc.fontbonne.edu:~/image.dd)

**cis425@mathcswc.fontbonne.edu:~/image.md5**

1. Your best friend, Jill, is applying a summer internship for software developer position in a company. She received a *ProgrammingTest.doc* file from the company she applied to. Before she starts to work on the programming question, she accidentally deleted the *ProgrammingTest.doc* file. Please help her to recover that file or the content of that file from image.dd file (30 points). *Please write down the content of the ProgrammingTest.doc file.*
2. Imagine that you are a digital forensics examiner. A FBI agent, Joe Doe, has just handed you a raw image file named image.dd along with an image.md5 in which stores the MD5 hash of the original evidence. Joe arrested the suspect for illegal drug usage. Please help agent, Joe Doe, find three pictures of weed from the image. (30 points) *Please put the screenshots of the three pictures.*
3. The suspect’s name is Mike Jones. Please write down the suspect’s *Home Address* and *Phone number* from the image.dd file. (40 points)

**Note:** You MUST work on this lab individually. Also, please verify the integrity of the image file before and after your forensics analysis.