

Introduction to Computer Forensics and Security

“How to Revise”

School of Computing, Mathematics & Digital
Technology

Manchester Metropolitan University.

How to Revise

- Unit Learning Resources (lecture notes and lab handouts)
- Highlighted Topics Areas
- Past Exams!!









Unit Learning Resources

Week 1 - Induction and Introduction to Computer Forensics

✦ This week lectures will introduce the following:

The unit structure, specification and assessment; what is digital forensics; basics of crimes, historical perspectives to cyber security and types of criminal cases and the usefulness of having digital forensics as a field of work.

The lab exercises will introduce a leading digital forensics platform which is EnCase. Manchester Met. is an academic partner with [Guidance Software](#) which produced EnCase. The lab exercises will be based on [Guidance Software Industry training programme](#) as part of the partnership agreement.

- ✦  [Lecture 1 - Introduction to Computer Forensics](#) 
- ✦  [Lab - EnCase Industry Training Creating Case](#) 
- ✦  [Lab - EnCase Industry Training Navigating EnCase V7](#) 
- ✦  [Lab - Introduction to EnCase V6 & V7](#) 
- ✦  [Lab-Forensic-Image-Intermediate-USB32.E01](#) 
- ✦  [Extra - EnCase V6 Manual](#) 
- ✦  [Extra - EnCase V7 Manual](#) 
- ✦  [EnCase V8 - New Features Guideline](#) 

✦ Reading list:

Pages (3-31) Computer Forensics Principles and Practices
Pages (39 - 46, 49 - 50) Computer Forensics Principles and Practices

Highlighted Topics Map

Final Exam List Revision:

White: Background Reading.

Yellow: Define, explain etc.

Red: Detailed understanding, reasoning and critical analysis.

Forensic Computing

Basics of Crimes *

What constitutes a crime and identify categories of crime *

Cybercrime Categories *

Civil vs. Criminal Charges

Computer Forensics Skills

Types of Evidence *

Law enforcement's authority

Computer Forensics Can Reveal

Discovery Process

Different types of evidence *

What affects the admissibility of evidence.

Knowing What to Look For

Admissibility of Evidence *

Forensics Investigation Methods

How electronic evidence differs from physical evidence

What computer forensics tools and techniques can reveal and recover,

The process of discovery and electronic discovery

Volatile Information & Nonvolatile Information * Volatile Information ***

ACPO guidelines ***



Forensic computing process ***

Forensic duplication

Past Exams

Assessments

Help files, Assignments and Past Exams.

-  Final Exam for the Academic Year 2014-2015
-  Final Exam for the Academic Year 2015 - 2016

Exam Information:

-   Important - Exam Highlighted Revision List - 2017 - 2018 
-   Final Exam for the Academic Year 2014-2015 
-   Final Exam Solutions for the Academic Year 2014-2015 
-   Final Exam for the Academic Year 2015 - 2016 
-   Final Exam Solutions for the Academic Year 2015 - 2016 
-   Introduction to Computer Forensics and Security Exam 2016-2017 
-   Introduction to Computer Forensics and Security Exam Solutions 2016-2017 

Library

Full Reading List

► Essential (17)

Files (0)

► Exam papers (2)

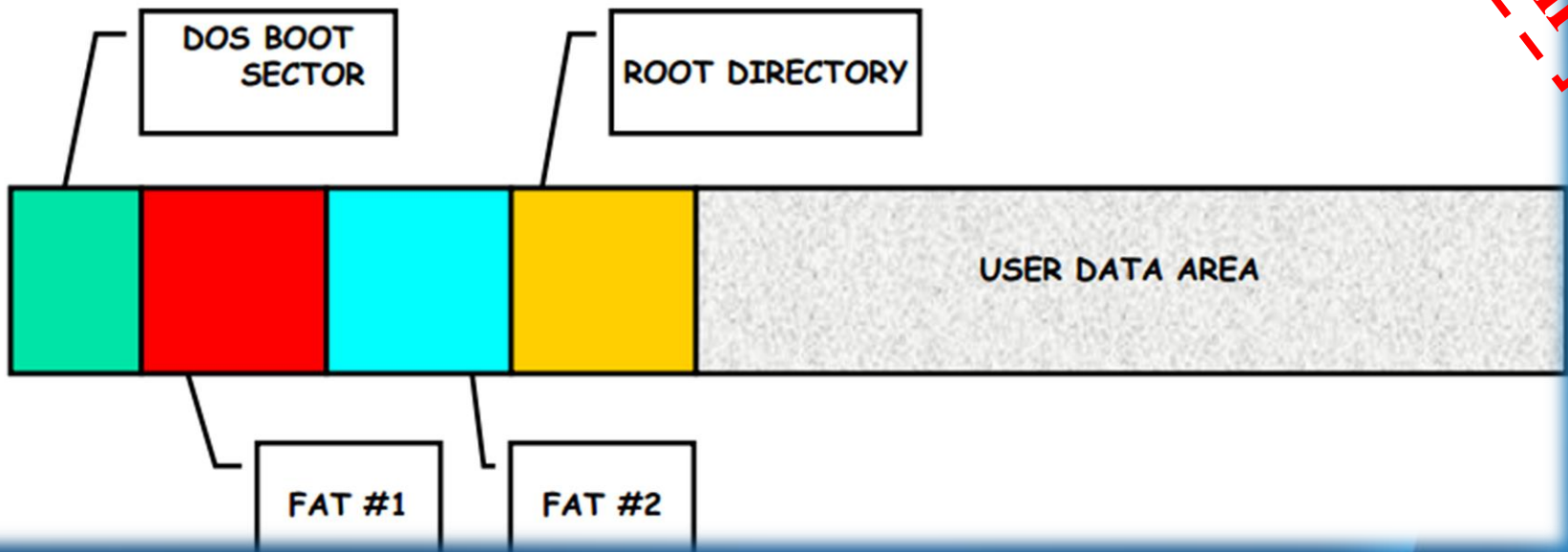
2012 summer

2011 summer

Sample Questions

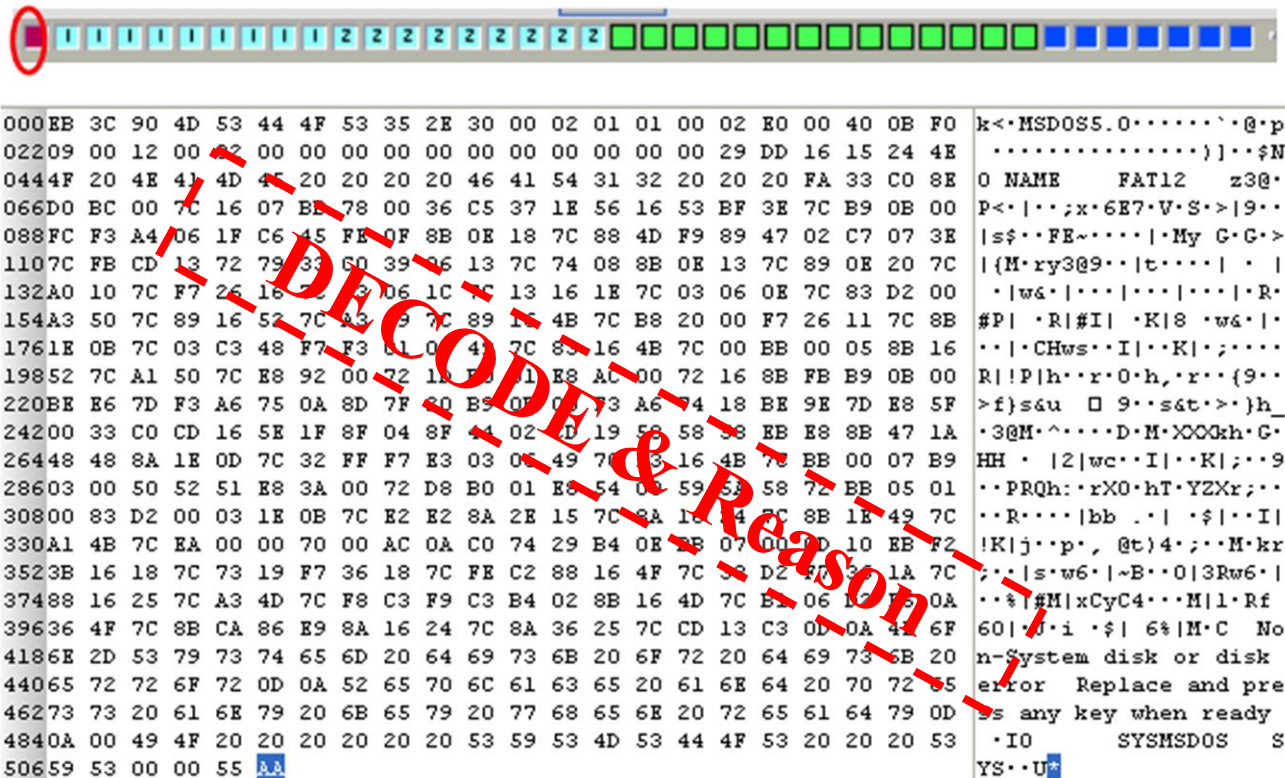
FAT12/16 Structure

Briefly Explain



Sample Questions

■ Master Boot Record



Sample Questions

[illegible]

Sample Questions

- Critically highlight the forensic value of the following:
 - Thumbs.db
 - etc

Questions?

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