Assignment 1

Due on 2019-08-14, 23:59:07.

Course outline

- Course overview
  - Lecture 1: Introduction
  - Lecture 2: Introduction
  - Lecture 3: Introduction
  - Lecture 4: Introduction
  - Lecture 5: Introduction
  - Lecture 6: Introduction
  - Lecture 7: Introduction

- Week 1
  - Week 1 Assignment
    - Question 1: What is the difference between a hard disk drive and a memory card?
    - Question 2: What are the advantages and disadvantages of using a hard disk drive versus a solid-state drive?

- Week 2
  - Week 2 Assignment
    - Question 3: What is the difference between a RAM and a ROM?

- Week 3
  - Week 3 Assignment
    - Question 4: What is the difference between a hard disk drive and a CD-ROM?

Assignment Solutions

- Question 1: A hard disk drive is a type of secondary storage device that stores data on a spinning platter, while a memory card is a small, portable device that stores data in non-volatile memory. A hard disk drive typically has a higher storage capacity and is slower than a memory card.

- Question 2: The advantages of using a hard disk drive include lower cost, higher storage capacity, and better performance for data transfer. The disadvantages include slower data transfer speeds and the risk of data loss if the drive is damaged.

- Question 3: A RAM (Random Access Memory) is volatile memory that stores data temporarily for quick access, while a ROM (Read-Only Memory) is non-volatile memory that stores data permanently.

- Question 4: A hard disk drive is designed for long-term storage and is slower than a CD-ROM, which is used for fast data transfer and is typically used for audio and video playback.