

# 9 Lecture - CS101

## Important Subjective

- 1. What is the difference between primary and secondary storage?**  
**Answer:** Primary storage, also known as memory, is volatile and is used to temporarily store data that is being actively processed by the computer. Secondary storage, on the other hand, is non-volatile and is used to store data for long-term use.
- 2. What is a hard disk drive (HDD)?**  
**Answer:** A hard disk drive uses magnetic fields to store data on spinning disks. The disks are read and written to by a magnetic head that moves across the surface of the disk.
- 3. What is a solid-state drive (SSD)?**  
**Answer:** An SSD uses flash memory to store data. This means that they have no moving parts, making them less prone to failure than hard disk drives.
- 4. What is a file system?**  
**Answer:** A file system is responsible for organizing and managing the data on the storage device.
- 5. What are the advantages of NTFS file system?**  
**Answer:** NTFS is the most common file system used in Windows computers, and it offers advanced features such as file compression and encryption.
- 6. What is the purpose of data backup?**  
**Answer:** The purpose of data backup is to protect against data loss due to hardware failure, theft, or other unforeseen events.
- 7. What is a full backup?**  
**Answer:** Full backup creates a complete copy of all data, regardless of whether it has changed since the last backup.
- 8. What is an incremental backup?**  
**Answer:** Incremental backup only backs up data that has changed since the last backup.

9. **What is a differential backup?**

**Answer:** Differential backup backs up all data that has changed since the last full backup.

10. **What are the different types of data storage devices?**

**Answer:** The different types of data storage devices include hard disk drives, solid-state drives, USB flash drives, memory cards, and optical discs such as CDs and DVDs.