9 Lecture - CS101

Important Mcqs

- 1. What is the smallest unit of digital data storage?
 - a. Kilobyte
 - b. Megabyte
 - c. Gigabyte
 - d. Bit

Answer: d. Bit

- 2. What is the largest unit of digital data storage?
 - a. Kilobyte
 - b. Megabyte
 - c. Terabyte
 - d. Exabyte

Answer: d. Exabyte

- 3. Which type of storage device uses magnetic fields to store data?
 - a. Solid-state drive (SSD)
 - b. Hard disk drive (HDD)
 - c. USB flash drive
 - d. Optical disc

Answer: b. Hard disk drive (HDD)

4. What is the main disadvantage of optical discs as a storage medium?

- a. They are expensive
- b. They have limited storage capacity
- c. They are prone to physical damaged
- d. They are slow to access data

Answer: b. They have limited storage capacity

5. Which type of storage device uses flash memory to store data?

- a. Solid-state drive (SSD)
- b. Hard disk drive (HDD)
- c. USB flash drive
- d. Optical disc

Answer: a. Solid-state drive (SSD)

6. Which type of RAID configuration provides the highest level of data protection?

- a. RAID 0
- b. RAID 1

c. RAID 5 d. RAID 10

Answer: d. RAID 10

7. What is the purpose of data compression?

- a. To reduce the size of a file
- b. To increase the speed of data transfer
- c. To protect data from corruption
- d. To increase the storage capacity of a device

Answer: a. To reduce the size of a file

8. What is the most common file system used in Windows computers?

- a. NTFS
- b. FAT32
- c. HFS+
- d. Ext4

Answer: a. NTFS

- 9. Which type of backup creates a copy of all data, regardless of whether it has changed?
 - a. Incremental backup
 - b. Differential backup
 - c. Full backup
 - d. Mirror backup

Answer: c. Full backup

10. What is the purpose of RAID?

- a. To improve the performance of a storage system
- b. To provide redundancy and data protection
- c. To compress data to save storage space
- d. To encrypt data for security purposes

Answer: b. To provide redundancy and data protection