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