

8 Lecture - CS401

Important Mcqs

1. **What is an interrupt?**

- A. A type of exception
- B. A type of error
- C. A type of function call
- D. A type of loop

Answer: A

Which of the following is not an example of an interrupt?

- A. Keyboard input
- B. Mouse input
- C. Printer output
- D. Timer overflow

Answer: C

What is a hardware interrupt?

- A. An interrupt triggered by the CPU
- B. An interrupt triggered by an external device
- C. An interrupt triggered by a software program
- D. An interrupt triggered by a user input

Answer: B

What is a software interrupt?

- A. An interrupt triggered by the CPU
- B. An interrupt triggered by an external device
- C. An interrupt triggered by a software program
- D. An interrupt triggered by a user input

Answer: C

Which of the following is not a type of interrupt?

- A. Maskable interrupt
- B. Non-maskable interrupt
- C. High-priority interrupt
- D. Low-priority interrupt

Answer: C

Which of the following is true about non-maskable interrupts?

- A. They can be disabled by software.
- B. They cannot be disabled by software.
- C. They are triggered by external devices.
- D. They are triggered by software programs.

Answer: B

Which of the following is true about maskable interrupts?

- A. They cannot be disabled by software.

- B. They are triggered by external devices.
- C. They are triggered by software programs.
- D. They cannot be prioritized.

Answer: C

What is a vectored interrupt?

- A. An interrupt with a fixed priority level.
- B. An interrupt with a variable priority level.
- C. An interrupt that shares the same priority level as other interrupts.
- D. An interrupt that has a specific address assigned to it.

Answer: D

Which of the following is an example of a non-maskable interrupt?

- A. System call
- B. Timer interrupt
- C. Power failure
- D. Interrupt from a mouse click

Answer: C

Which of the following is true about interrupt handling?

- A. It must be done in real-time.
- B. It is not a time-critical operation.
- C. It is done by the operating system.
- D. It is not necessary in modern computer systems.

Answer: A