

43 Lecture - CS304

Important Mcqs

1. **What is abnormal termination?**

- A. A program that runs indefinitely
- B. A program that terminates normally
- C. A program that terminates unexpectedly due to an error or exception
- D. A program that never compiles

Answer: C

What can cause abnormal termination?

- A. Memory access violations
- B. Stack overflow
- C. Division by zero
- D. All of the above

Answer: D

What is a segmentation fault?

- A. A type of error that occurs when a program attempts to access memory that has already been freed or is outside of its allocated range
- B. A type of error that occurs when a program runs out of stack space
- C. A type of error that occurs when a program attempts to divide by zero
- D. A type of error that occurs when a program fails to compile

Answer: A

What is an access violation?

- A. A type of error that occurs when a program attempts to access memory that has already been freed or is outside of its allocated range
- B. A type of error that occurs when a program runs out of stack space
- C. A type of error that occurs when a program attempts to divide by zero
- D. A type of error that occurs when a program fails to compile

Answer: A

What is a floating-point exception?

- A. A type of error that occurs when a program attempts to divide a number by zero
- B. A type of error that occurs when a program attempts to access memory that has already been freed or is outside of its allocated range
- C. A type of error that occurs when a program runs out of stack space
- D. A type of error that occurs when a program fails to compile

Answer: A

What is integer division by zero?

- A. A type of error that occurs when a program attempts to divide an integer by zero
- B. A type of error that occurs when a program attempts to access memory that has already been freed or is outside of its allocated range
- C. A type of error that occurs when a program runs out of stack space

D. A type of error that occurs when a program fails to compile

Answer: A

How can abnormal termination be prevented?

A. Implementing error handling and exception handling mechanisms

B. Proper testing and debugging practices

C. Both A and B

D. None of the above

Answer: C

What is error handling?

A. A mechanism to catch and handle errors or exceptions

B. A way to prevent programs from crashing

C. A way to write more efficient code

D. A way to increase program security

Answer: A

What is exception handling?

A. A mechanism to catch and handle errors or exceptions

B. A way to prevent programs from crashing

C. A way to write more efficient code

D. A way to increase program security

Answer: A

What is debugging?

A. The process of identifying and fixing errors in a program

B. The process of optimizing a program for performance

C. The process of writing code

D. The process of designing a program

Answer: A