24 Lecture - CS304

Important Mcqs

1. What is a modified default constructor?

a) A constructor that takes no arguments

b) A constructor that is defined by the programmer

c) A default constructor that has been customized to initialize the class data members to specific values

d) None of the above

Answer: c

When is a default constructor provided by the compiler?

- a) When no other constructors are defined for the class
- b) When a constructor is defined by the programmer
- c) When a class has no data members
- d) None of the above

Answer: a

How can a modified default constructor be useful?

a) It allows the programmer to provide a default state for the class when it is created

- b) It allows the user to provide initialization values for the class data members
- c) It allows the programmer to create multiple instances of the class with different initial values
- d) None of the above

Answer: a

Can a modified default constructor take arguments?

a) Yes

b) No

Answer: b

What happens if a modified default constructor is not defined for a class?

a) The compiler will provide a default constructor that initializes the class data members to default values

b) The program will not compile

c) The class data members will be left uninitialized

d) None of the above

Answer: a

What is the difference between a default constructor and a modified default constructor?

a) A default constructor initializes the class data members to default values, while a modified default constructor initializes them to specific values

b) There is no difference, they are the same thing

c) A default constructor is provided by the compiler, while a modified default constructor is defined by the programmer

d) None of the above

Answer: a

Can a modified default constructor be overloaded? a) Yes

b) No <mark>Answer: a</mark>

What is the syntax for defining a modified default constructor?

- a) ClassName();
- b) ClassName::ClassName();
- c) ClassName::ModifiedDefaultConstructor();
- d) None of the above

Answer: b

How many constructors can a class have?

- a) Only one
- b) As many as the programmer wants to define
- c) Only one of each type (default, copy, etc.)
- d) None of the above
- Answer: b

What is the purpose of a constructor?

- a) To initialize the class data members
- b) To allocate memory for the class object
- c) To define the behavior of the class object
- d) All of the above

Answer: a