

# 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

**Answer: a**

**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**