

ASSIGNMENT

CONSTRUCTOR

Q.1 What is a constructor?

Ans. Constructor is the piece of code which is used to initialise the object whenever we create the object.

Constructor name should be the same as that of the class name.

There is no return type of constructor.

Q.2 What is constructor chaining?

Ans. A class can have multiple constructor with the same name but with different arguments. Constructor chaining is also known as constructor overloading.

Q.3 Can we call a subclass constructor from a superclass constructor?

Ans. Yes

Q.4 What happens if you keep a return type for the constructor?

Ans. There is no compile time error but java considered it as a normal method.

Q.5 What is no-arg constructor?

Ans. A constructor which does not accept any argument is known as no-arg constructor.

Q.6 How is no-arg constructor different from default constructor?

Ans. If the programmer writes any constructor in the code, then the compiler doesn't add any constructor. Every default constructor is a 0 argument constructor but every 0 argument constructor is not a default constructor.

Q.7 When do we need constructor overloading?

Ans. If we want to have different ways of initialising an object using different numbers of parameters, then we must do constructor overloading.

Q.8 What is the default constructor? Explain with an example.

Ans. When there is no constructor present in the class then the compiler will generate a default constructor. The default constructor has no arguments.

Example: -

```
public class Product {  
    String id;  
    String product_name;  
    double price;
```

```
    public static void main (String[] args) {
```

```
//default constructor
Product product = new Product();

System.out.println(product.id);
System.out.println(product.product_name);
System.out.println(product.price);
    }
}
```