1.What is a Constructor?

Ans: Constructor is a special type of method which is having same class. It is executed at the time of object creation.

2. What is Constructor Chaining?

Ans: A Constructor chaining is the process of calling one constructor from another constructor with respect to current object.

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

Ans: No, we can not call a subclass constructor from a superclass constructor.

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

Ans: If we add a return type to a constructor, then it will become a method of the class.

5. What is No-arg constructor?

Ans: a constructor that does not accept any arguments is called No-arg constructor.

6. How is a No-argument constructor different from the default constructor?

Ans:

<u>**Default Constructor in java:**</u>

- When we write a class without any constructor then at compilation time java compiler creates a default constructor in our class.
- The accessibility modifier of the default constructor is same as accessibility modifier of class.
- The allowed accessibility modifier are public and default.
- Default constructor added by java compiler this constructor does not have anything except super(); call.

```
class A {
    int a;
  A() {
    }
```

No-argument Constructor in java:

- As a developer we can create our own constructor with no arguments is known as no-argument constructor.
- It can have all four accessibility modifiers as it is defined by developer.
- So allowed accessibility modifiers are public, private, protected and default
- It can have logic including super call.

```java
class A {
  int a;
  A() {
    super();
    System.out.println("no -argument constructor");
  }
```

7. When do we need Constructor Overloading?

Ans: Sometimes we have different ways of initializing an object using a different number of parameters, then we must do constructor overloading as we do method overloading when we want different definitions of a method based on different parameters.

8. What is Default Constructor?

Ans: A **co**nstructor without any arguments or with the default value for every argument is said to be the Default constructor. In a java class if we don't write any constructor, then the compiler will generate a default constructor.

```java
Ex- class A {
    int a;
  A() {
  }
```