

Java for beginners

Constructor in Inheritance



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Agenda

- ① Constructor in Inheritance
- ② Constructor chaining

Constructor in Inheritance

- Constructors are not inherited by subclass
- Subclass's constructor invokes constructor of super class.
- Explicit call to the super class constructor from subclass's constructor can be made using `super()`.

```
class A {
```

```
    public A() {
```

```
    }
```

```
}
```

```
class B extends A {
```

```
    public B() {  
        super();
```

```
    }
```

```
}
```

C++

```
public:
```

```
    B() : A() {
```

```
        ...  
    }
```

You can write a subclass constructor that invokes the constructor of the superclass, either implicitly or by using the keyword `super`.

Define superclass Person and subclass Employee. Create constructors in both the classes.

Constructor Chaining

Constructor can call other constructors of the same class or superclass.

Constructor call from a constructor should be the first step. (call should appear in the first line)

Such series of invocation of constructors is known as constructor chaining.

Define superclass Person and
Subclass Employee. Perform
Constructor chaining.