

## Constructor Order :

---

Child ----- Implicit

Parent ----- Implicit

**Class Parent**

```
{  
    No Constructor  
}
```

**Class Child extends Parent**

```
{  
    No Constructor  
}
```

No Issue As Child and Parent both on compilation will get Default constructor

And 1<sup>st</sup> Line of default constructor is super() . Super() will call from Child constructor and then from Parent till

## Constructor Order :

---

Child ----- Explicit

Parent ----- Implicit

Child Also have a 3 Scenarios

- |  |                |
|--|----------------|
| 1) When Child have only default constructor      | ===== NO ISSUE |
| 2) When Child Have Both the Constructor          | ===== NO ISSUE |
| 3) When Child have only parametrized Constructor | ===== NO ISSUE |

**Class Parent**

```
{  
  No Constructor  
}
```

**Class Child extends Parent**

```
{  
  Default / Parametrised constructor  
}
```

**No Issues**

Child Default ---> Parent Default as  
part of Super Keyword

As parent have No Constructor  
Explicitly Defined So It will call  
Implicit Constructor Method

### Constructor Order :

---

There are 3 Scenarios for parent Explicit

1) Default Constructor 2) Parametrised Constructor . 3) Both available

Child ----- Implicit

Parent ----- Explicit ( Default constructor)

```
Class Parent
```

```
{  
  Parent()  
  {  
  }  
}
```

```
Class Child extends Parent
```

```
{  
  
}
```

No Issues

Child Default ---> Child Default will be available as part of compilation and it will

Call parent default with the help of super()

Method.

Constructor Order :

---

Child ----- Implicit

Parent ----- Explicit ( Both constructor)

```
Class Parent
{
    Parent()
{
}
    Parent(String s)
{
}
}
Class Child extends Parent
{
}
```

No Issues

As parent have both constructor child  
default will call parent default. And There  
will be no issue

Constructor Order :

---

Child ----- Implicit

Parent ----- Explicit ( only Parametrised constructor)

```
Class Parent
{
Parent(String s)
{
}

}
Class Child extends Parent
{
}
```

#### Issues

=====

As Parent Have No Default Constructor but  
If you externally define Paramtrised  
constructor Compiler want you to externally  
define default constructor also. If you will  
not put It will give you Compilation error.