# Java Concept 38

- super() must be the first statement in Child class Constructor while Calling Parent class constructor

```
1   //No Error
2   class Parent
3   {
4
5   }
6
7   class Child extends Parent
8   {
9      Child()
10     {
11       super();
12       int x = 0;
13     }
14 }
```

```
1   //Error
2   class Parent
3   {
4
5   }
6
7   class Child extends Parent
8   {
9      Child()
10     {
11       int x = 0;
12       super();
13     }
14 }
```

```java
//super() at the last // Error
//Parent
class Doctor
{
   Doctor()
   {
      System.out.println("Parent "
            + "Class Doctor");
   }
}

//Child
class Surgeon extends Doctor
{
   Surgeon()
   {

      System.out.println("Child Class "
            + "Surgeon");
      System.out.println("Completed");
      super(); // Error
   }

}

public class JavaConcept
{
    public static void main(String args[])
      {
         Surgeon obj = new Surgeon();
      }
}
```

run:
Parent Class Doctor
Child Class Surgeon
Completed
Uncompilable source code - call to super must be first statement in constructor

```java
1   //super() in the middle // Error
2   //Parent Class
3   class Doctor
4   {
5      Doctor()
6      {
7          System.out.println("Parent Class "
8                  + "Doctor");
9      }
10  }
11
12  //Child Class
13  class Surgeon extends Doctor
14  {
15     Surgeon()
16     {
17        System.out.println("Child Class "
18                + "Surgeon");
19        super(); // Error
20        System.out.println("Completed");
21     }
22
23  }
24
25  public class JavaConcept
26  {
27      public static void main(String args[])
28      {
29         Surgeon obj = new Surgeon();
30      }
31  }
```

run:
Parent Class Doctor
Child Class Surgeon
Uncompilable source code - call to super must be first statement in constructor

```java
1   //super() at the top // No Error
2   //Parent
3   class Doctor
4   {
5      Doctor()
6      {
7         System.out.println("Parent "
8                 + "Class Doctor");
9      }
10  }
11
12  //Child
13  class Surgeon extends Doctor
14  {
15     Surgeon()
16     {
17        super(); // No Error
18        System.out.println("Child Class "
19                + "Surgeon");
20        System.out.println("Completed");
21     }
22
23  }
24
25  public class JavaConcept
26  {
27      public static void main(String args[])
28        {
29           Surgeon obj = new Surgeon();
30        }
31  }
```

run:
Parent Class Doctor
Child Class Surgeon
Completed
BUILD SUCCESSFUL (total time: 0 seconds)