Java Concept 31

- If a method in Child class throws Exception then the overridden method in parent class must also throws exception

```
1   //No Error
2   class sun
3   {
4      void radius() throws Exception
5      {...}
8   }
9   class earth extends sun
10  {
11     void radius() throws Exception
12     {...}
15  }
```

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1   //Error
2   class sun
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```

```
1   // method throwing exception
2   //No Error
3   class java // Parent Class
4   {
5      public void find() throws IOException
6      {
7        System.out.print("Inside Parent : Java");
8      }
9   }
10  public class JavaConcept extends java//Child Class
11  {
12     public void find() throws IOException
13     {
14        System.out.print("Inside Child : JavaConcept");
15     }
16
17     public static void main(String args[])
18      {
19         JavaConcept jc = new JavaConcept();
20        try {
21            jc.find();
22        } catch (IOException ex) {
23            System.out.println(ex.getMessage());
24        }
25      }
26  }
```

run:
Inside Child : JavaConcept

```
1   // method not throwing exception
2   //Error
3   class java // Parent Class
4   {
5      public void find()
6      {
7        System.out.print("Inside Parent : Java");
8      }
9   }
10  public class JavaConcept extends java //Child Class
11  {
12     public void find() throws IOException
13     {
14        System.out.print("Inside Child : JavaConcept");
15     }
16
17     public static void main(String args[])
18      {
19         JavaConcept jc = new JavaConcept();
20        try {
21            jc.find();
22        } catch (IOException ex) {
23            System.out.println(ex.getMessage());
24        }
25      }
26  }
```

Error-find() in javaconcept.JavaConcept cannot override find() in javaconcept.java
  overridden method does not throw java.io.IOException