

**BITP 3113
OBJECT ORIENTED PROGRAMMING**

**LAB:
LAB 10 - EXCEPTION**

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Exercise 5

1. Open the **Socket** API documentation from this [link](#).
2. Identify the exception thrown from:-
 - a. The first constructor.
 - b. The third constructor.
 - c. The fourth constructor.
 - d. The `bind()` method.
 - e. The `getOutputStream()` method.
 - f. The `setSendBufferSize()` method.
3. For each of the exception, analyze and record the analysis result in the following table.

Constructor / Method	Number of exceptions to be thrown	Exception Name
First constructor - <code>Socket()</code>	1	<i>IOException</i>
Third Constructor - <code>Socket (String host, int port)</code>	4	<i>IOException, UnknownHostException, SecurityException, IllegalArgumentException</i>
Fourth Constructor - <code>Socket (InetAddress address, int port)</code>	3	<i>IOException, SecurityException, IllegalArgumentException</i>
<code>bind (SocketAddress endpoint)</code>	3	<i>IOException, SecurityException, IllegalArgumentException</i>
<code>getOutputStream()</code>	1	<i>IOException</i>
<code>setSendBufferSize(int size)</code>	2	<i>SocketException, IllegalArgumentException</i>