What is Condition Coverage Testing?

Condition coverage is also known as Predicate Coverage in which each one of the Boolean expression have been evaluated to both TRUE and FALSE.

Example

```java
if ((A || B) && C)
{
    << Few Statements >>
}
else
{
    << Few Statements >>
}
```

Result

In order to ensure complete Condition coverage criteria for the above example, A, B and C should be evaluated at least once against "true" and "false".

So, in our example, the 3 following tests would be sufficient for 100% Condition coverage testing.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>true</td>
<td>not eval</td>
<td>false</td>
</tr>
<tr>
<td>false</td>
<td>true</td>
<td>true</td>
</tr>
<tr>
<td>false</td>
<td>false</td>
<td>not eval</td>
</tr>
</tbody>
</table>