

Quiz 02/05 Solution

1- In code blocks 1 & 2 the “||” is the logical **OR** operator and the “&&” is the logical **AND** operator. Code block 1 prints “Branch 1” if either of ‘cond1’ or ‘cond2’ is true, otherwise it prints “**Branch 2**”. Code block 2 prints “**Branch 1**” only if both ‘cond1’ and ‘cond2’ are true, otherwise it prints “**Branch 2**”.

2- In code block 3 if ‘cond1’ is true, the system checks for the next condition which is based on ‘cond2’. If ‘cond2’ is also true, then the code block prints “**Branch 1**”, otherwise it prints “**Branch 2**”. In code block 4 if ‘cond1’ is true it prints “**Branch 1**” right away, but if it is not true, the system checks the next condition which is based on ‘cond2’. If ‘cond2’ is true the code block prints “**Branch 1**”, otherwise it prints “**Branch 2**”. So, code blocks 1 & 4 are equivalent and will print the same output with similar ‘cond1’ and ‘cond2’ values.