1)

A screenshot of a computer

Description automatically generated

A white background with black text

Description automatically generated

This uses a windows.alert() to make a popup window that displays a message. This message is the 5+6 = 11. This happens upon running the code.

2)

A screenshot of a computer screen

Description automatically generated

This example activates the event upon the button being clicked, not on startup. The code is activated because of the onclick event.

6) the If, else, and else if statements are used for conditional branching. If statement is best when we want something to occur when a specific condition is met, else is best when a generalized condition is met, and else if acts as an nth level additional if statement if the first If statement did not pass. The best structure depends on the program at hand the conditions that need to be checked.