Theory:

**Introduction to Conditional Statements: if, else, elif**

* **if**: The if statement is used to evaluate a condition. If the condition is **true**, the block of code inside the if statement is executed.
* **else**: The else statement is used to execute a block of code when the condition in the if statement is **false**. It provides an alternative when the if condition is not satisfied.
* **elif**: The elif (else if) statement is used to check multiple conditions. It comes after an if statement and is used when you need to check for other conditions if the if condition is false. You can have multiple elif statements.

**Nested if-else Conditions**

* **Nested if-else**: This occurs when an if or else block is placed inside another if or else block. It allows for more complex decision-making where you can evaluate additional conditions after the initial condition is checked. The inner conditions are evaluated only if the outer conditions are true.

In summary:

* **if** executes a block of code if the condition is true.
* **else** executes a block of code if the if condition is false.
* **elif** checks additional conditions if the if condition is false.
* **Nested if-else** enables checking multiple conditions within other conditions for more complex