CLASS 2 21-05-2021

**QUESTIONS**

👉What are an immutable and mutable objects in Python?  
👉What is a loop statement in Python?  
👉What is indentation in Python?  
👉How to check multiple conditions in Python?  
👉What is Pass Statement in Python  
👉What are the control statements in Python?

**ANSWERS**

1. In object-oriented and functional programming, an **immutable object** (unchangeable object) is an object whose state cannot be modified after it is created. This is in contrast to a **mutable object** (changeable object), which can be modified after it is created.

2. A **Loop** executes the sequence of statements many times until the stated condition becomes false. The control statement is a combination of some conditions that direct the body of the loop to execute until the specified condition becomes false. The purpose of the loop is to repeat the same code a number of times

3. **Indentation** refers to the spaces at the beginning of a code line. Where in other programming languages the indentation in code is for readability only, the indentation in Python is very important. Python uses indentation to indicate a block of code.

4. In Python we can **combine several conditions** in the same if statement with the help of logical operators[AND and OR]. Also we can use if..else, if...elif, or nested if for handling multiple condition s in python.

5. The **pass** statement is used as a placeholder for future code. When the pass statement is executed, nothing happens, but you avoid getting an error when empty code is not allowed.

6. **Control statements** in python

a. Continue Statement. It returns the control to the beginning of the loop.

b. Break Statement. It brings control out of the loop.

c. Pass Statement.When the pass statement is executed, nothing happens, but you avoid getting an error when empty code is not allowed.