**Day 5 - Comments, Escape sequence & Print in Python**

Welcome to Day 5 of 100DaysOfCode. Today we will talk about Comments, Escape Sequences and little bit more about print statement in Python. We will also throw some light on Escape Sequences

**Python Comments**

A comment is a part of the coding file that the programmer does not want to execute, rather the programmer uses it to either explain a block of code or to avoid the execution of a specific part of code while testing.

**Single-Line Comments:**

To write a comment just add a ‘#’ at the start of the line.

**Example 1**

#This is a 'Single-Line Comment'

print ("This is a print statement.")

Output:

This is a print statement.

**Example 2**

print ("Hello World !!!") #Printing Hello World

Output:

Hello World!!!

**Example 3:**

print ("Python Program")

#print ("Python Program")

**Output:**

Python Program

**Multi-Line Comments:**

To write multi-line comments you can use ‘#’ at each line or you can use the multiline string.

**Example 1:** The use of ‘#’.

#It will execute a block of code if a specified condition is true.

#If the condition is false then it will execute another block of code.

p = 7

if (p > 5):

print("p is greater than 5.")

else:

print("p is not greater than 5.")

Output:

p is greater than 5.

**Example 2:** The use of multiline string.

"""This is an if-else statement.

It will execute a block of code if a specified condition is true.

If the condition is false then it will execute another block of code."""

p = 7

if (p > 5):

print("p is greater than 5.")

else:

print("p is not greater than 5.")

**Output**

p is greater than 5.

**Escape Sequence Characters**

To insert characters that cannot be directly used in a string, we use an escape sequence character.

An escape sequence character is a backslash \ followed by the character you want to insert.

An example of a character that cannot be directly used in a string is a double quote inside a string that is surrounded by double quotes:

print("This doesnt "execute")

print("This will \" execute")

**More on Print statement**

The syntax of a print statement looks something like this:

print(object(s), sep=separator, end=end, file=file, flush=flush)

**Other Parameters of Print Statement**

1. object(s): Any object, and as many as you like. Will be converted to string before printed
2. sep='separator': Specify how to separate the objects, if there is more than one. Default is ' '
3. end='end': Specify what to print at the end. Default is '\n' (line feed)
4. file: An object with a write method. Default is sys.stdout

**\*\*\*\*\*\*\*Parameters 2 to 4 are optional\*\*\*\*\*\*\*\***