Assignment - 8

1.Is the Python Standard Library included with PyInputPlus?

Ans1-No, the Python Standard Library is not included with PyInputPlus. PyInputPlus is a separate third-party library for input validation and handling, and it is not part of the Python Standard Library.

2. Why is PyInputPlus commonly imported with import pyinputplus as pypi?

Ans2- The practice of importing PyInputPlus as **pypi** (or a similar short alias) is not common or recommended. PyInputPlus is typically imported with a shorter alias such as **pyip** or even just **p** for brevity and convenience. However, the choice of alias is ultimately up to the developer and may vary depending on personal preference.

3. How do you distinguish between inputInt() and inputFloat()?

**a)inputInt()**:

**it** is used for getting integer input from the user.

It expects the user to enter a whole number (integer) and raises an error if the input is not a valid integer.

b)inputFloat() is used for getting floating-point (decimal) input from the user.

It expects the user to enter a number that may have a decimal point, such as 3.14, and raises an error if the input is not a valid float.

4. Using PyInputPlus, how do you ensure that the user enters a whole number between 0 and 99?

Ans4- To ensure that the user enters a whole number between 0 and 99 using PyInputPlus, you can use the **inputInt()** function along with the **min** and **max** parameters to specify the acceptable range of values.

import pyinputplus as pyip

age = pyip.inputInt(prompt='Enter your age (0-99): ', min=0, max=99)

5. What is transferred to the keyword arguments allowRegexes and blockRegexes?

Ans5- In PyInputPlus, the keyword arguments **allowRegexes** and **blockRegexes** allow you to specify regular expressions that define patterns for allowed and blocked input values, respectively. These arguments are used to enforce additional input validation based on regular expressions

6. If a blank input is entered three times, what does inputStr(limit=3) do?

Ans6-If a blank input (empty string) is entered three times in a row while using inputStr(limit=3) in PyInputPlus, the function will raise a TimeoutException. This exception is raised when the user exceeds the specified limit of consecutive blank inputs

7. If blank input is entered three times, what does inputStr(limit=3, default='hello') do?

Ans7-If blank input is entered three times while using **inputStr(limit=3, default='hello')** in PyInputPlus, the function will not raise an exception. Instead, it will return the default value 'hello' after the third consecutive blank input.