Assignment-8

1. Is the Python Standard Library included with PyInputPlus?

Ans. No, PyInputPlus is not part of the Python Standard Library. It is a third-party library that needs to be installed separately using `pip install pyinputplus`.

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

Ans. PyInputPlus is commonly imported as `pypi` to make the code shorter and more convenient to write. The alias `pypi` is quicker to type compared to the full name `pyinputplus`.

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

Ans - `inputInt()` only accepts integer input, whereas `inputFloat()` accepts floating-point numbers. They differ in the types of values they validate:

- `inputInt()` ensures the user enters an integer.

- `inputFloat()` allows the user to enter both integers and floating-point numbers.

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

Ans You can use the `min` and `max` keyword arguments in `inputInt()` to restrict the input to a whole number between 0 and 99:

```
import pyinputplus as pypi
number = pypi.inputInt(min=0, max=99)
```

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

Ans

- The `allowRegexes` and `blockRegexes` arguments accept lists of regular expression strings (or compiled regex patterns). These are used to allow or block certain patterns in user input:

- `allowRegexes` lets you define regex patterns that are allowed as valid input.

- `blockRegexes` lets you define regex patterns that are invalid, and if matched, will prevent the input from being accepted.

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

Ans If the user enters a blank input three times, `inputStr(limit=3)` will raise a `RetryLimitException` because the maximum number of attempts has been reached.

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

Ans If blank input is entered three times, `inputStr(limit=3, default='hello')` will return the default value `'hello'` after the third attempt instead of raising an exception.