

PYTHON ASSIGNMENT – 8

QUESTIONS :

1. Is the Python Standard Library included with PyInputPlus?
2. Why is PyInputPlus commonly imported with `import pyinputplus as pypi`?
3. How do you distinguish between `inputInt()` and `inputFloat()`?
4. Using PyInputPlus, how do you ensure that the user enters a whole number between 0 and 99?
5. What is transferred to the keyword arguments `allowRegexes` and `blockRegexes`?
6. If a blank input is entered three times, what does `inputStr(limit=3)` do?
7. If blank input is entered three times, what does `inputStr(limit=3, default='<div>hello</div>')` do?

SOLUTIONS:

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

2. `PyInputPlus` is commonly imported with `import pyinputplus as pyip` to provide a shorter and more convenient alias for the module. This allows users to use `pyip` as a shorthand reference to `PyInputPlus` when calling its functions.

3. `inputInt()` is used to specifically accept integer input, while `inputFloat()` is used to specifically accept floating-point input. The former ensures that the user enters a valid integer, and the latter ensures that the user enters a valid floating-point number.

4. To ensure that the user enters a whole number between 0 and 99 using `PyInputPlus`, you can use the `inputInt()` function with the `min` and `max` arguments. Here's an example:

```
import pyinputplus as pyip
```

```
result = pyip.inputInt(prompt='Enter a whole number between 0 and 99: ', min=0, max=99)
```

5. The `allowRegexes` and `blockRegexes` keyword arguments in `PyInputPlus` are used to specify lists of regular expressions. These regular expressions determine which inputs are allowed (`allowRegexes`) and which are blocked (`blockRegexes`). If a user's input matches a regular expression in `blockRegexes`, it will be rejected. If it matches a regular expression in `allowRegexes`, it will be accepted.

6. If a blank input is entered three times with `inputStr(limit=3)`, `PyInputPlus` will raise the `TimeoutException` since the user has exceeded the allowed number of attempts (specified by the `limit` parameter) without providing valid input.

7. If blank input is entered three times with `inputStr(limit=3, default='hello')`, PyInputPlus will return the default value `'hello'` after the third unsuccessful attempt. The `limit` parameter specifies the maximum number of attempts, and if the user exceeds this limit without providing valid input, the default value is returned.

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