

Assignment 8

1. Is the Python Standard Library included with PyInputPlus?

Ans: No, PyInputPlus is not a part of Python Standard Library, it needs to be installed explicitly using the command `!pip install PyInputPlus`m`

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

Ans: You can import the module with `import pyinputplus as pyip` so that you can enter a shorter name when calling the module's functions.

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

Ans: `inputInt()` function Accepts an integer value. This also takes additional parameters `min`, `max`, `greaterThan` and `lessThan` for bounds. And it always returns an `int`.

Whereas `inputFloat()` function Accepts a floating-point numeric value. this also takes additional `min`, `max`, `greaterThan` and `lessThan` parameters. and always returns a `float`.

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

Ans: PyInputPlus module provides a function called as `inputInt()` which only returns only integer values. inorder to restrict the input between 0 and 99, i'll use parameters like `min` & `max` to ensure that user enters the values between the defined range only.

`import PyInputPlus as pyip`
`wholenumber = pyip.inputInt(prompt='Enter a number: ', min=0, max=100)`
`print(wholenumber)`
5. What is transferred to the keyword arguments `allowRegexes` and `blockRegexes`?

Ans: we can use `allowRegexes` and `blockRegexes` keyword arguments to take list of regular expression strings to determine what the `pyinputplus` function will reject or accept valid input.

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

Ans: The statement `inputStr(limit=3)` will throw two exceptions `ValidationException` and `RetryLimitException`. The first exception is thrown because blank values are not allowed by `inputStr()` function by default. if we want to consider blank values as valid input, we have to set `blank=True`.

The second exception is occurred because we have reached the max limit we have specified by using `limit` parameter. inorder to avoid this exception we can use default parameter to return a default value when max limit is reached.

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

Ans: Since the default parameter is set to `hello`. after blank input is entered three times instead of raising `RetryLimitException` exception. the function will return `hello` as response to the calling function

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