

Python Basic Assignment 8

1. Is the Python Standard Library included with PyInputPlus?

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

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

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

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

`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?

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 pypi
wholenum = pypi.inputInt(prompt='Enter a number: ', min=0, max=100)
print(wholenum)
```

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

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?

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?

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