ANSWERS

1. No, the Python Standard Library is not included with PyInputPlus. PyInputPlus is a separate third-party library that provides additional functionality for taking user input.

2. PyInputPlus is commonly imported with the alias "pypi" to make it easier and more convenient to reference the library in code. Using a shorter alias like "pypi" reduces the amount of typing needed when calling functions or using features from PyInputPlus.

3. The inputInt() function is used to accept and return an integer value from the user, while the inputFloat() function is used to accept and return a floating-point (decimal) value from the user. The distinction lies in the type of value expected and returned by each function.

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 parameters set accordingly. Here's an example:

```python

number = pypi.inputInt(prompt='Enter a number: ', min=0, max=99)

```

5. The keyword arguments allowRegexes and blockRegexes in PyInputPlus are used to specify regular expressions that define patterns for acceptable or blocked input. allowRegexes specifies a list of regular expressions that are allowed, while blockRegexes specifies a list of regular expressions that are blocked. These arguments allow customization of the input validation process based on specific patterns.

6. If a blank input is entered three times with inputStr(limit=3), the function will raise a RetryLimitException. This exception is raised when the number of consecutive invalid inputs exceeds the specified limit. In this case, the limit is set to 3, so if a blank input is entered three times in a row, the exception will be raised.

7. If blank input is entered three times with inputStr(limit=3, default='hello'), the function will return the default value 'hello'. The default value is used when the user reaches the specified limit of consecutive invalid inputs. In this case, if a blank input is entered three times, the function will return 'hello' instead of raising an exception.

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='hello') do?