

Assignment 8 Solutions

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`

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

ANS: 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()`?

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.

In [16]:

```
1 !pip install PyInputPlus
```

Requirement already satisfied: PyInputPlus in c:\users\abhik\anaconda3\lib\site-packages (0.2.12)

Requirement already satisfied: pysimplevalidate>=0.2.7 in c:\users\abhik\anaconda3\lib\site-packages (from PyInputPlus) (0.2.12)

Requirement already satisfied: stdiomask>=0.0.3 in c:\users\abhik\anaconda3\lib\site-packages (from PyInputPlus) (0.0.6)

In [14]:

```

1 import pyinputplus as pyip
2
3 # integer input with
4 # limited time
5 inp = pyip.inputInt(prompt = "Enter an Integer... ",
6                     default = 0, timeout = 3)
7
8 print(inp)
9
10 inp2 = pyip.inputFloat(prompt = "Enter Float value... ",
11                        default = 0, timeout = 3)
12
13 print(inp2)

```

Enter an Integer... 10
 10
 Enter Float value... 10
 0.0

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=0 & max=99 to ensure that user enters the values between the defined range only.

In [15]:

```

1 import pyinputplus as pyip
2 wholenumber = pyip.inputInt(prompt='Enter a number: ', min=0, max=99)
3 print(wholenumber)

```

Enter a number: 125
 Number must be at maximum 99.
 Enter a number: 100
 Number must be at maximum 99.
 Enter a number: 99
 99

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. it we want to consider blank values as valid input, we have to set `blank=True` .

A list of regex strings that are either explicitly allowed or denied

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

ANS:The function returns the value `'hello'` as response to the calling function.