

# 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.

## 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. in order 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
wholenumber = pypi.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**.

## 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