

1. Is the Python Standard Library included with PyInputPlus?

**Solution 1:** PyInputPlus is not a part of the Python Standard Library, we must install it separately using Pip. PyInputPlus module is used for taking inputs with additional validation features. PyInputPlus will keep asking the user for text until they enter valid input.

**Installing PyInputPlus:** pip install PyInputPlus

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

**Solution 2:** We can import the module with import pyinputplus as pyip so that we can enter a shorter name when calling the module's functions.

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

**Solution 3:** The difference is in the data-type when you use the first one the program expects an integer value as input but in the latter it expects a float value i.e number containing a decimal.

- inputInt() : The inputInt() function is used to take integer inputs. If any non-integer input is passed, the function retries until a valid input is given, time runs out or maximum number of tries exceed. The default parameter is used to set the default value if time runs out or the number of tries exceeds. The limit parameter is used to specify the maximum number of tries the user has for entering a valid input, after which the default value is returned, if specified, or a RetryLimitException is raised otherwise.

```
import pyinputplus as pyip
inp = pyip.inputInt(prompt = "Enter an Integer... ",
                    default = 0, limit = 3)
print(inp)
o/p: Enter an Integer... hello
'hello' is not an integer.
Enter an Integer... abc
'abc' is not an integer.
Enter an Integer...
Blank values are not allowed.
0
```

- inputFloat() : Accepts a floating-point numeric value. Also takes additional 'min', 'max', 'greaterThan' and 'lessThan' parameters. Returns a float.

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

**Solution 4:** We will use: pyip.inputint(min=0, max=99)

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

**Solution 5:** A list of regex strings that are either explicitly allowed or denied.

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

**Solution 6:** The function will raise RetryLimitException.

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

**Solution 7:** The function returns the value 'hello'.