**PW PYHTHON ASSIGNMENT**

**Q1. Write all the conventions being followed while declaring a variable.**

A variable name in python always starts with an alphabet. We can start a variable with capital or small case letters but it should never start with a number or any special character. A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and \_ ). [Variable names are case-sensitive (age, Age and AGE are three different variables)](https://www.w3schools.com/python/gloss_python_variable_names.asp)

**Q2. What will happen if we declare a restricted keyword as a variable?**

[If we declare a restricted keyword as a variable then it will throw an error message](https://www.w3schools.com/python/gloss_python_variable_names.asp).

**Q3. Can we actually declare a string as a variable name?**

Yes, we can declare a string as a variable name.

**Q4. Is it possible for us to declare “\_” as a variable? If so, then write an example of it.**

Yes, it is possible to declare “\_” as a variable. Here is an example:

\_ = 10

print(\_)

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**Q5. Using an example, explain how the variables in python are dynamic in nature.**

In Python, variables are dynamic in nature which means that we can assign any type of data to any variable without specifying its data type. For example:

a = 10

print(a)

a = "Hello World"

print(a)

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In the above example, we have assigned an integer value to the variable ‘a’ and then later assigned a string value to the same variable ‘a’.