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Write all the conventions being followed while declaring a variable.

Ans:-- a variable name must start with a letter like(a to z) or with a underscore(\_)..lf we start with any other it will show error.. example is given below

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

It will show error if we use while as a variable it will show syntax error example:-

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

ans:- Yes we can but we cant use a space in the string

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

Yes it is possible example given below

```
In [19]: _101 =10
_102 = 20
In [20]: _101 + _102
Out[20]: 30
```

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

Ans:- suppose we declare the value of a=10 after some time i declare the value of a=20 then the inbuilt function of the python will reassign the value of a 20 and delete the old value from the memory through gurbage calling function example is given below

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```
Out[24]: 10

In [26]: #now change the value of a a=30 #reassigned the value of a

In [27]: a+b

Out[27]: 50

In [28]: a

Out[28]: 30

In []:
```