· What are Python Modules? -Modules provides us with a way to share

reusable function. A module is simply a "Python file" which contain code we can

reuse in multiple Python programs. - A module may contain functions, classes, lists, etc.

> Modules type Built-in User-defined type type

1> Built-in type Modules. - One of many superpowers of Python is that it comes with a "rich standard library" The rich standard library contains lots of

of reusable code. - Python contain modules like "os", "sys", "datetime", "random".

-You can import and use any of the builtin modules whenever you like in your program (We'll look at it shortly).

built-in modules. Hence, it provides a lot

2) User-defined Modules - Another superpower is to take thing in own hands. - You can create your own functions & classes,

put them inside modules & voila! You can now include hundreads of line of code into any prog -am just by writing a simple fimport' statemen

*Visual-studio Code
-visual studio code 15 a source-code editor
- Vs code is used with vacinty of programming languages including Java, Javasczipt, Go, Node;
Python, c++, c, Rust. -Visual code can be extended via extensions, available through a central repository.
* Camelcase in Python. - Camelcase is naming Protocol for giving file or attribute name that contain more than one word joined that all start with a capital letter.
- Camelcase is the programming language that allows you to name files or functions without breaking the underlying languages naming rules.
For download Modules & camelcase &, command which are used:
>pip install comelcase.
*Tensorflow is an and
Platform for machine learning. Tensorflow is Python !!!

computing created and released by Google. ·How to download tensorflow: → pip install tensorflow.

* Python Vaziable

- Variable is container which store values.
- Python vollable is also known as an
- identifier and used to hold value. - We don't need to specify the type of variable because python is infer language.

Rules for python Variables:-17 A variable must start with a character or

underscore 2) A variable cannot start with number.

37 A voulable must be contain alpha-numeric

character & underscore (A-7,0-9, _) W Vaziable names are case sensitive (age, Age & AGE are different vouiable).

Types of Variable

(Global) (Local

17 Global vociable. - Variables which is visible throughout the

whole program.

- Defined at the start of program.

27 Local vociable.

- Valiables which are visible through the function where it is defined.

- Defined in particular function.

* Type casting.

- Converting one dota type to another which is useful in day-to-day & aggregaive programmin

b="28"

b=in+(b) //type casting

prin+(b)

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