**Modules:**

* Python allows us to package code into files or sets of files that can be used in other programs when called properly
* Modules are tools used in code, also referred to as “libraries” or “packages”  
  A close up of a name

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* Can import functions from one file into another one and be able to use those functions in that file  
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* **datetime** is a popular module that allows you to work with dates and times
* **random** is another popular module that allows you to generate numbers or select items at random  
  - *random.choice()* – takes a list as an argument and returns a number from the list  
  - *random.radiant()* – takes two numbers as an argument and returns a random number between those two  
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  - *random.sample()* – takes a range and a number as arguments and will return the specified number of random numbers from that range  
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* **matplotlib** – allows us to plot our Python code in 2D  
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* ***decimal* –** allows you to perform **decimal arithmetic more accurately**A computer screen shot of a code

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**Namespaces:**

* Isolates the functions, classes, and variables defined in the module from the code in the file doing the importing
* Your local namespace is where your code is run
* Can alter namespace of modules by using *as* keyword (**Aliasing)**
* Most often done when name of library is long and you don’t want to type it out everytime  
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