Build-in Functions #2

filter() - filter objects from any iterable based on function you give

- float() Convert datatype into float type
- format() same as string formatting
- frozenset() Takes any literal and convert it into immutable set
- globals() gives all the global variables declared inside a python program

- hasattr() verifying if you are having so and so attribute or not
- hash() it'll show the hash value of the particular object you called
- help() gives details about any method or class
- hex() base conversion

```
>>>
>>> s1 = 'abcde'
>>>
>>> hasattr(s1,'lower')
True
>>> hasattr(s1, 'isdigit')
True
>>> hasattr(s1,'total
SyntaxError: EOL while scanning string literal
>>> hasattr(s1,'total')
False
>>> hash(s1)
-2359171732725835016
>>> n = 10
>>> hash(n)
10
>>> f = 12.345
>>> hash(f)
795515838178725900
```

```
>>> s1 = 'abcde'
>>>
>>> help(s1.lower)
Help on built-in function lower:
lower() method of builtins.str instance
Return a copy of the string converted to lowercase.

>>> help(s1.isdigit)
Help on built-in function isdigit:
isdigit() method of builtins.str instance
Return True if the string is a digit string, False otherwise.

A string is a digit string if all characters in the string are digits and there is at least one character in the string.
```

- isinstance() check if an object is an instance of particular class
- issubclass() tells if a class is a subclass or not
- iter() helps us iterate over every element in a sequence used along with next()

```
>>>
>>> s1 = 'abcde'
>>> n =10
>>> f = 12.34
>>>
>>> isinstance(s1, str)
True
>>> isinstance(n, int)
True
>>> isinstance(n, float)
False
>>> False
False
>>>
>>> L = [10, 'john', 15.76, 'James']
>>> itr = iter(L)
>>> next(itr)
10
>>> next(itr)
'john'
>>> next(itr)
15.76
>>> next(itr)
'James'
```