What is constructor in python?

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1   I python, a constuctor is a special method that gets called when you create an instance(object) of a
    class.
2   The constructor method is named init() with double underscores before and after "init".
3   It is used to initialize the attributes(data members)of an object when it is created.
4
```

```python
In [21]:     1  class fract:
             2
             3      #variable creation
             4
             5      def __init__(self,n,d):
             6          self.num = n
             7          self.deo = d
             8
             9      def __str__(self):
            10          return "{}/{}".format(self.num,self.deo)
            11
            12      def __add__(self,other):
            13          temp_num = self.num*other.deo + self.deo*other.num
            14
            15          temp_deo = self.deo * other.deo
            16
            17          return "{}/{}".format(temp_num,temp_deo)
            18
            19      def __sub__(self,other):
            20          temp_num = self.num*other.deo - self.deo*other.num
            21
            22          temp_deo = self.deo * other.deo
            23
            24          return "{}/{}".format(temp_num,temp_deo)
            25
            26      def __mul__(self,other):
            27          temp_num = self.num*other.deo
            28          temp_deo = self.deo*other.num
            29
            30          return "{}/{}".format(temp_num,temp_deo)
            31
            32      def __truediv__(self,other):
            33          temp_num = self.num / other.deo
            34          temp_deo = self.deo / other.num
            35
            36          return "{}/{}".format(temp_num,temp_deo)
            37
```

In [23]:
```python
 1  f1 = fract(1,2)
 2  f2=fract(4,7)
 3
 4  print(f1)
 5  print(f2)
 6
 7  print(f1 + f2)
 8  print(f1 - f2)
 9  print(f1 * f2)
10  print(f1 / f2)
11
```

```
1/2
4/7
15/14
-1/14
7/8
0.14285714285714285/0.5
```

In [ ]:
```python
 1
```

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```python
 1
```