Python → Object-oriented programming → <u>Methods and attributes</u>

Methods and attributes → **Cone**

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■ Medium © 2 minutes ②

In what order should an object of the class cone call its methods so that everything is calculated and displayed correctly?

```
class Cone:
PI = 3.14
def __init__(self, radius, height):
    self.radius = radius
    self.height = height
    self.base_area = None
    self.slant_height = None
    self.surface_area = None
    self.volume = None
def get_base_area(self):
    self.base_area = self.PI * (self.radius ** 2)
def get_parameters(self):
    self.slant_height = math.sqrt((self.radius ** 2) + (self.height ** 2))
    self.surface_area = self.PI * self.radius * self.slant_height
    info = "Area of the base = {}\n".format(self.base_area)
    info += "Volume = {}\n".format(self.volume)
    info += "Surface area = {}".format(self.surface_area)
    print(info)
def get_volume(self):
    self.volume = (1/3) * self.base_area * self.height
```

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✓ Put the items in the correct order



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