Week 3 - Inheritance 2 homework

1. The parent class is Spell, and the child classes are Accio and Confundo since they both inherit from Spell.
2. The base class is a class from which other classes are derived, which are known as sub-classes. In this example, the base class is Spell, and the sub-classes are Accio and Confundo since they inherit from Spell as well.
3. The study\_spell() method first needs to be outdented so that it is at the global scope. The code then outputs the following:

Accio

Summoning Charm Accio

No description

Confundus Charm Confundo

Causes the victim to become confused and befuddled.

1. When study\_spell(Confundo()) is executed, it calls the get\_description() method from the child class, Confundo. The method in the Confundo class overwrites the method defined in the parent class, Spell. This is known as overloading.
2. I added a method within the Accio class called get\_description() that overloads the method of the same name in the Spell class and returns a description that prints the string “This charm summons an object to the caster, potentially over a significant distance.” This line is executed by the last line of code:

print(Accio())