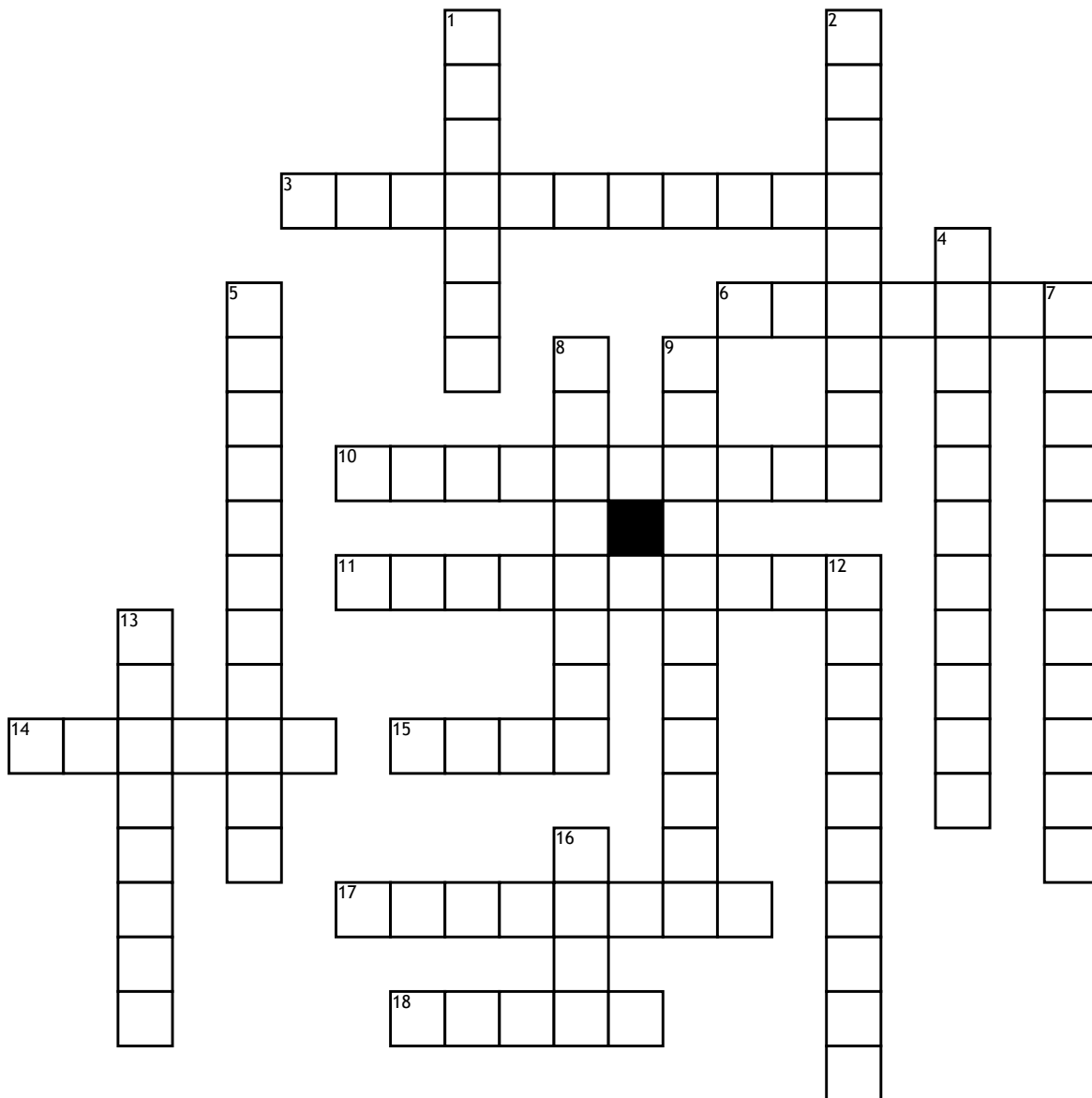


Problem 1 (18 Points) - Solve the Crossword Puzzle



Across

3. In Java, _____ can be achieved by either extending classes or implementing interfaces.
6. Functions that belong to objects.
10. 2+2 is an example.
11. _____ only contain method signatures.
14. Example of a method access modifier.
15. The casting operator attempts to convert from one _____ to another.

17. A variable must be _____ prior to its initialization.

18. An _____ in Java is like a list in Python.

Down

1. "Hello World" is an example of a string _____.
2. Error in Java.
4. Function that is called when an object is created.
5. Polymorphism can be achieved by _____ methods.

7. A pure function has no _____ (two words, omit space).

8. If we _____ a method, that means that we have changed its definition.

9. The new operator is used to _____ objects.

12. If X IS-A Y then Y is a _____ of X.

13. If X IS-A Y then X is a _____ of Y.

16. If all objects of type X have instance variables of type Y, then X _____ Y.