

- 4
 - This refers to the current object and field and methods within. Super refers to the objects super class. You would use super when you want to specifically refer to a field or method from the object's super class
- 6
 - `public UndergraduateStudent(String name) {`
 - `super(name, 18);`
 - `this.year = 0;`
 - `}`
- 7
 - `public void setAge(int age) {`
 - `super.setAge(age);`
 - `this.year++;`
 - `}`
- 8
 - vroom
 - car 1
 - car 2
 - vroom
 - truck 1
 - car 2
- 11
 - B 2
 - A
 - A 1
 -
 - D 2
 - C
 - C 1
 -
 - A 2
 - A
 - A 1
 -
 - A 2
 - C
 - C 1
 -
- 12
 - flute
 - shoe 1
 - flute 2
 -

- flute
- blue 1
- flute 2
-
- moo
- moo 1
- moo 2
-
- moo
- blue 1
- moo 2
-
- 13
 - moo 2
 - blue 1
 - moo
 -
 - moo 2
 - moo 1
 - moo
 -
 - flute 2
 - shoe 1
 - flute
 -
 - flute 2
 - blue 1
 - flute
 -
- 14
 - squid
 - creature 1
 - tentacles
 -
 - BIG!
 - spout
 - creature 2
 -
 - ocean-dwelling
 - creature 1
 - creature 2
 -
 - ocean-dwelling
 - warm-blooded

- creature 2
 -
- 15
 - creature 2
 - ocean-dwelling
 - creature 1
 -
 - tentacles
 - squid
 - creature 1
 -
 - creature 2
 - ocean-dwelling
 - warm-blooded
 -
 - creature 2
 - BIG!
 - spout
 -
- 20
 - This is probably not the best design. It seems like there would be unnecessary and duplicate coding involved. I would probably have a Card class with fields for rank and suit along with methods that would be re-usable by all objects of the class.