

Problem 2: HAS-A and IS-A

1. IS-A, MallardDuck is a type of Duck since it inherits the characteristics of the Duck class such as display.
2. IS-A, RedheadDuck is a type of Duck since it inherits the characteristics of the Duck class such as display.
3. IS-A, RubberDuck is a type of Duck since it inherits the characteristics of the Duck class such as display.
4. IS-A, DecoyDuck is a type of Duck since it inherits the characteristics of the Duck class such as display.
5. HAS-A since a subclass of Duck will have a specific FlyBehavior.
6. HAS-A since a subclass of Duck will have a specific QuackBehavior.
7. IS-A, Quack is a type of QuackBehavior since it inherits characteristics from the QuackBehavior class such as quack.
8. IS-A, Squeak is a type of QuackBehavior since it inherits characteristics from the QuackBehavior class such as quack.
9. IS-A, MuteQuack is a type of QuackBehavior since it inherits characteristics from the QuackBehavior class such as quack.