**Exercise 1**

What is the object-oriented example?

For example, say we created a class, Car, to contain all the properties a car must have, color, brand, and model. We then create an instance/behavior/method of a Car type object, myCar to represent my specific car.

Could you please create another 5 object-oriented examples and give all their properties and their instances/behavior/method?

**Answer:**

1. Laptop

Brand : Huawei

Model : Matebook D 15

Display size : 15.6 inch

Processor type : AMD Ryzen 5

Brand : Apple

Model : MacBook Pro

Display size : 16 inch

Processor type : Intel Core i7

Brand : HP

Model : Pavilion 15

Display size : 15.6 inch

Processor type : Intel Core i5

Behaviour:

1. Notification()
2. Mute()
3. Printscreen()

Properties:

1. Brand
2. Model
3. Diplay size
4. Processor type

Class : laptop

1. Cat

Breed : Calico

Colour : Tri-colour

Size : Medium

Coat : Short

Breed : Bombay

Colour : Black

Size : Medium

Coat : Short

Breed : Ragdoll

Colour : White-pointy

Size : Medium

Coat : Long

Behaviour:

1. walk()
2. eat()
3. sleep()
4. climb()

Properties:

1. Breed
2. Colour
3. Size
4. Coat

Class : cat

1. Mouse

Breed : Chinchilla

Colour : white

Size : large

Coat : medium

Breed : Roborovskii hamster

Colour : black, grey

Size : small

Coat : short

Behaviour:

1. walk()
2. eat()
3. sleep()
4. play()

Properties:

1. Breed
2. Colour
3. Size
4. Coat

Class : mouse

Breed : Golden hamster

Colour : Golden

Size : Medium

Coat : medium

1. Fox

Breed : Corsac fox

Colour : brown-grey

Size : medium

Coat : short

Breed : Arctic fox

Colour : white

Size : medium

Coat : medium

Breed : Red fox

Colour : brown

Size : medium

Coat : short

Behaviour:

1. Walk()
2. Play()
3. Eat()
4. Sleep()

Properties:

1. Breed
2. Colour
3. Size
4. Coat

Class : fox

1. Smartphone

Properties:

1. Brand
2. Model
3. Operating System
4. Processor type

Brand : Huawei

Model : nova 7 SE

Operating System : Android

Processor type : Octa-core

Behaviour:

1. Notification()
2. Mute()
3. Call()
4. Screenshot()

Class : smartphone

Brand : Vivo

Model : V20 Pro

Operating System : Android

Processor type : Octa-core

Brand : Apple

Model : iPhone 12

Operating System : iOS 14

Processor type : Hexa-core