# Add a comment to each section of code explaining what it does and what would be shown in the console with you run the code.

class Shirt:

def \_\_init\_\_(self, color, brand, size):

self.color = color

self.brand = brand

self.size = size

#

def printshirt(self):

print("These are the shirt details")

print(self.color, self.brand, self.size)

#

class Sweater(Shirt):

def \_\_init\_\_(self, color, brand, size, material):

Shirt.\_\_init\_\_(self, color, brand, size)

self.material = material

#

# Create methods for the child class

def printsweaterinfo(self):

print("These are details about the sweater")

print("The customer ordered a ", self.color, self.brand, "in size", self.size, "and in the sweater material", self.material, ".")

#

shirt1 = Shirt("red", "Nike", "small")

#

shirt1.printshirt()

#

sweater1 = Sweater("black", "Nike", "large", "cotton")

#

sweater1.printshirt()

#

sweater1.printsweaterinfo()

#

class CustomSweater(Sweater):

def \_\_init\_\_(self, color, brand, size, material, message):

super().\_\_init\_\_(color, brand, size, material)

self.message = message

#

def printcustommessage(self):

print("The customer wants to add a custom message to their sweater")

print("On the", self.color, self.brand, "sweater that is size", self.size, "and made of", self.material, "print the custom message:", self.message)

#

customsweater1 = CustomSweater ("red", "Columbia", "XL", "wool", "I love ugly sweaters")

#

customsweater1.printshirt()

#

customsweater1.printsweaterinfo()

#

customsweater1.printcustommessage()

#