## Exercises – Inheritance:

Question 1 is the assessed question

1. This question uses inheritance to describe different types of sale in a shop. There are 3 classes to represent the different sale types. The classes should be stored in the same file (Python module) named 'sale_module.py'.
   1.1. Define a class named **`Sale`** that:
   - contains an instance variable that stores the amount of the sale and accessor and mutator methods.
   - contains a method named **`__str__`** that outputs an English sentence to describe the amount of the sale e.g. "Sale amount: £20.50".
   - includes an appropriate constructor.

   1.2. Define a class named **`CashSale`** that:
   - is derived from **`Sale`**
   - redefines the **`__str__`** method to indicate that the payment was made in cash
   - includes an appropriate constructor.

   1.3. Define a class named **`CreditCardSale`** that:
   - is derived from **`Sale`**
   - contains instance variables for the name on the card, expiration date, and credit card number. The instance variables should have appropriate getters and setters.
   - includes appropriate constructor(s).
   - redefines the **`__str__`** method to include all credit card information in the printout.

   1.4. Define a program named **`SaleTester`** that:
   - has a main method that creates at least two **`CashSale`** and two **`CreditCardSale`** objects with different values and calls **`__str__`** for each.

Further practice questions can be found in any of the course textbooks.