

## ICS4U – OOP exercises

1. Create a class `Product` that represents a product sold in a webshop. A product has a price, amount and name.

The class should have:

- A constructor `public Product(String name, double price, int qtyStock)`
- A method `public void printProduct()` that prints a product in the following form:

```
Banana, price 1.1, stock 13
```

- A method `public double value ()` that returns the total value of the item (`qtyStock*price`)

2. Create a class `Books` that represents a book. A book has a title, author, ISBN number, and genre. Note ISBN is a 10 digit number

The class should have:

- A constructor `public Books (String title, String author, double isbn)`
- A method `public void printBook()` that prints a book in the following form:

```
Harry Potter, JK Rowling, 1254154682
```

- A method `public double value ()` that returns the total value of the item (`qtyStock*price`).
- A method `public boolean sameAuthor (Books b1)` that compares the author of the object to the author of the book (in the parameters) and return true if the author is the same, false otherwise.
- Create a test program that uses the “Books” class to create at least 4 “Book” objects.