

Assignment 3: ArrayList, HashMap

Exercise 3.1

Use here your own class for dates (assignment 2.2).

Write a program that saves your date objects into an ArrayList collection. The program asks the dates from the user. The user can give one date on a line and this is repeated until the input is an empty line. The program also prints out all the dates.

Then the program asks a year from the user and it prints out those dates that have the given year.

Then the program searches dates from the collection. The user can give a date and the program outputs what is the index of the date in the ArrayList or prints out that the date is not found. Use your isSame method.

Exercise 3.2

Write a program (just a class for main method is needed) which stores product numbers (int, Integer) and prices (double, Double) in a HashMap. The key is the product number and the associated value is the price. You can put some values into the HashMap in the program code (for example, the price of the product 100 is 12.50). The program asks the product number from the user and prints out its price. This is repeated as long as the user wants.