Develop a Python Console application described as follows:

1. Declare a class named **Product** includes protected members as follows:

a. Data members: **Id**: int, **name**: string

b. Methods (Functions)

- Declare constructors and setter - getter for the data members

- Override __**str**__ **()** method to return all Product's pieces of information

2. Declare a class named **Coffee** inheritances from **Product** includes private members as follows:

a. Data members: **quantity**: int, **unitPrice**: real

b. Methods (Functions)

- Declare constructors and setter – getter for the data members

- **getTotal** () //return **total** = **quantity** * **unitPrice**

- Override __**str**__ **()** method to return all Coffee' pieces of information

3. Declare a **Program** class, this class has a "**Main** method" that will print out the menu to perform the functions as follows :

Option 2: Add new Coffee (3 marks)

Option 2: Find a Coffee by **Id** (3 marks)

Option 3. Print Coffee list (3 marks]

Option 4: Exit (1 mark)

Hints: Use collections: **list** or **dictionary** to store objects then performs finding/adding functions

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