

CE103 Algorithms and Programming I HW4

211401054-211401061

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Chapter 1

Namespace Index

1.1 Package List

Here are the packages with brief descriptions (if available):

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ce103_hw4_library_cmd	7
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Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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ce103_hw4_library_lib.DataOperations	28
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Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

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C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/ UnitTest.java	93

Chapter 4

Namespace Documentation

4.1 Package ce103_hw4_library_app

Classes

- class [App](#)

4.2 Package ce103_hw4_library_cmd

Classes

- class [UnitTest](#)

4.3 Package ce103_hw4_library_lib

Classes

- class [CustomerFeature](#)
- class [DataOperations](#)
- class [FileOperations](#)
- class [MainFunctions](#)
- class [MedicineFeature](#)
- class [SaleMedicineFeature](#)
- class [SupplierFeature](#)
- class [UnitTest](#)

Chapter 5

Class Documentation

5.1 ce103_hw4_library_app.App Class Reference

Static Public Member Functions

- static void [main](#) (String[] args) throws IOException, InterruptedException

Static Public Attributes

- static int [ID](#)
- static String [ID_Control](#)
- static String [Name](#)
- static String [City](#)
- static int [Contact_No](#)
- static String [Contact_No_C](#)
- static String [Email_ID](#)
- static int [Rack](#)
- static String [Rack_C](#)
- static int [Cabnit](#)
- static String [Cabnit_C](#)
- static String [Company](#)
- static String [Medicine](#)
- static int [Unit_Cost](#)
- static String [Unit_Cost_C](#)
- static int [Sale_Cost](#)
- static String [Sale_Cost_C](#)
- static int [Quantity](#)
- static String [Quantity_C](#)
- static String [Mgf_Date](#)
- static String [Exp_Date](#)

5.1.1 Member Function Documentation

5.1.1.1 main()

```
static void ce103_hw4_library_app.App.main (
    String[] args ) throws IOException, InterruptedException [static]
```

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References [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2\(\)](#), [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_lib.FileOperations.appendBlock\(\)](#), [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), [ce103_hw4_library_app.App.Cabnit](#), [ce103_hw4_library_app.App.Cabnit_C](#), [ce103_hw4_library_app.App.City](#), [ce103_hw4_library_app.App.Company](#), [ce103_hw4_library_app.App.Contact_No](#), [ce103_hw4_library_app.App.Contact_No_C](#), [ce103_hw4_library_lib.CustomerFeature.Customer_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), [ce103_hw4_library_lib.FileOperations.deleteBlock2\(\)](#), [ce103_hw4_library_app.App.Email_ID](#), [ce103_hw4_library_app.App.Exp_Date](#), [ce103_hw4_library_lib.MedicineFeature.getCabnit\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getcity\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getCompany\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getcontact_no\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getcontact_no\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getemail\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getemail\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getExp_date\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getId\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getMedicine\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getMgf_date\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getname_s\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getQuantity\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getRack\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getSalecost\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getUnitcost\(\)](#), [ce103_hw4_library_app.App.ID](#), [ce103_hw4_library_app.App.ID_Control](#), [ce103_hw4_library_app.App.Medicine](#), [ce103_hw4_library_lib.MedicineFeature.Medicine_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#), [ce103_hw4_library_app.App.Mgf_Date](#), [ce103_hw4_library_app.App.Name](#), [ce103_hw4_library_app.App.Quantity](#), [ce103_hw4_library_app.App.Quantity_C](#), [ce103_hw4_library_app.App.Rack](#), [ce103_hw4_library_app.App.Rack_C](#), [ce103_hw4_library_lib.FileOperations.readBlock\(\)](#), [ce103_hw4_library_app.App.Sale_Cost](#), [ce103_hw4_library_app.App.Sale_Cost_C](#), [ce103_hw4_library_lib.MedicineFeature.setCabnit\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcity\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setCompany\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setemail\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setemail\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setExp_date\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setMedicine\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setMgf_date\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setname_s\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setQuantity\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setRack\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setSalecost\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setUnitcost\(\)](#), [ce103_hw4_library_lib.SupplierFeature.Supplier_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#), [ce103_hw4_library_app.App.Unit_Cost](#), [ce103_hw4_library_app.App.Unit_Cost_C](#), and [ce103_hw4_library_lib.FileOperations.updateBlock\(\)](#).

5.1.2 Member Data Documentation

5.1.2.1 Cabnit

```
int ce103_hw4_library_app.App.Cabnit [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.2 Cabnit_C

```
String ce103_hw4_library_app.App.Cabnit_C [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.3 City

```
String ce103_hw4_library_app.App.City [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.4 Company

```
String ce103_hw4_library_app.App.Company [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.5 Contact_No

```
int ce103_hw4_library_app.App.Contact_No [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.6 Contact_No_C

```
String ce103_hw4_library_app.App.Contact_No_C [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.7 Email_ID

```
String ce103_hw4_library_app.App.Email_ID [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.8 Exp_Date

```
String ce103_hw4_library_app.App.Exp_Date [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.9 ID

```
int ce103_hw4_library_app.App.ID [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.10 ID_Control

```
String ce103_hw4_library_app.App.ID_Control [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.11 Medicine

```
String ce103_hw4_library_app.App.Medicine [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.12 Mgf_Date

```
String ce103_hw4_library_app.App.Mgf_Date [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.13 Name

```
String ce103_hw4_library_app.App.Name [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.14 Quantity

```
int ce103_hw4_library_app.App.Quantity [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.15 Quantity_C

```
String ce103_hw4_library_app.App.Quantity_C [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.16 Rack

```
int ce103_hw4_library_app.App.Rack [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.17 Rack_C

```
String ce103_hw4_library_app.App.Rack_C [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.18 Sale_Cost

```
int ce103_hw4_library_app.App.Sale_Cost [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.19 Sale_Cost_C

```
String ce103_hw4_library_app.App.Sale_Cost_C [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.20 Unit_Cost

```
int ce103_hw4_library_app.App.Unit_Cost [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

5.1.2.21 Unit_Cost_C

```
String ce103_hw4_library_app.App.Unit_Cost_C [static]
```

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

The documentation for this class was generated from the following file:

- C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_↔
app/[App.java](#)

5.2 ce103_hw4_library_lib.CustomerFeature Class Reference

Public Member Functions

- final int [getId](#) ()
- final void [setId](#) (int value)
- final String [getName_s](#) ()
- final void [setName_s](#) (String value)
- final String [getcity](#) ()
- final void [setcity](#) (String value)
- final int [getcontact_no](#) ()
- final void [setcontact_no](#) (int value)
- final String [getemail](#) ()
- final void [setemail](#) (String value)
- final String [getName](#) ()
- final void [setName](#) (String value)
- final String [getReturnDate](#) ()
- final void [setReturnDate](#) (String value)
- final String [getDate](#) ()
- final void [setDate](#) (String value)

Static Public Member Functions

- static byte[] [CustomerToByteArrayBlock](#) ([CustomerFeature](#) Customer)
- static [CustomerFeature](#) [ByteArrayBlockToCustomerCounter](#) (byte[] byteArray) throws IOException
- static [CustomerFeature](#) [ByteArrayBlockToCustomer](#) (byte[] byteArray)

Static Public Attributes

- static final int [ID_LENGTH](#) = 4
- static final int [name_s_MAX_LENGTH](#) = 50
- static final int [city_MAX_LENGTH](#) = 50
- static final int [contact_no_NAME_MAX_LENGTH](#) = 20
- static final int [email_NAME_MAX_LENGTH](#) = 50
- static final int [Customer_DATA_BLOCK_SIZE](#) = [ID_LENGTH](#) + [city_MAX_LENGTH](#) + [contact_no_NAME_MAX_LENGTH](#) + [name_s_MAX_LENGTH](#) + [email_NAME_MAX_LENGTH](#)

Private Attributes

- int [_id](#)
- String [_name_s](#)
- String [_city](#)
- int [_contact_no](#)
- String [_email](#)
- String [_name](#)
- String [_return_date](#)
- String [_date](#)

5.2.1 Member Function Documentation

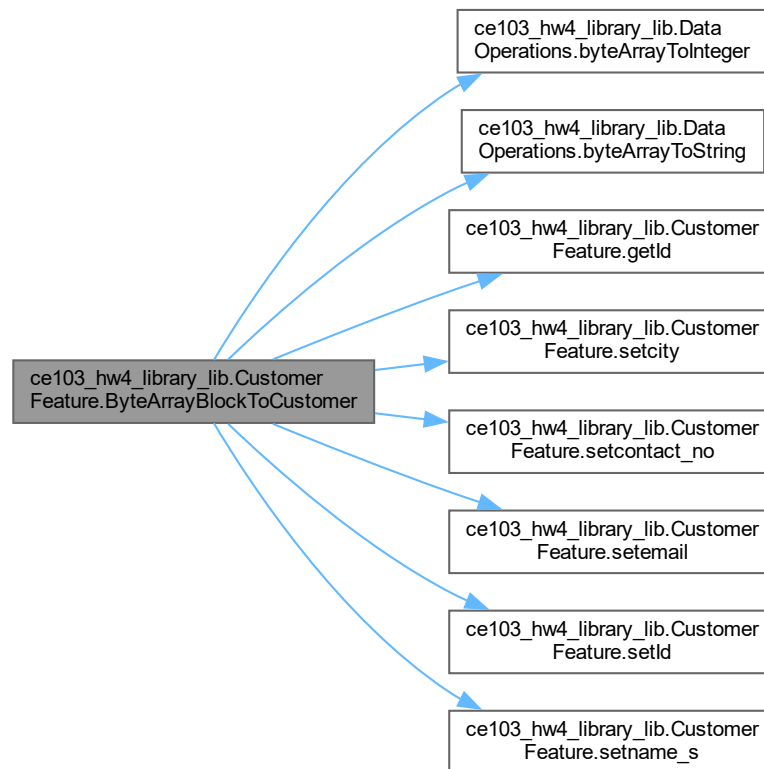
5.2.1.1 ByteArrayBlockToCustomer()

```
static CustomerFeature ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer (
    byte[] byteArray ) [static]
```

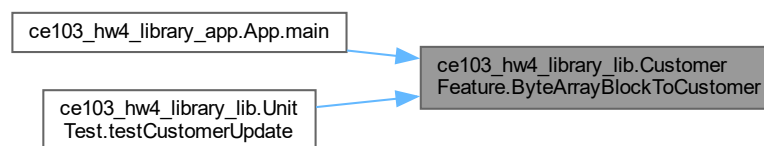
References [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.DataOperations.byteArrayToString\(\)](#), [ce103_hw4_library_lib.CustomerFeature.city_MAX_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.contact_no_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.Customer_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.CustomerFeature.email_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.getId\(\)](#), [ce103_hw4_library_lib.CustomerFeature.ID_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.setName_s\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcity\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setemail\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setreturn_date\(\)](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

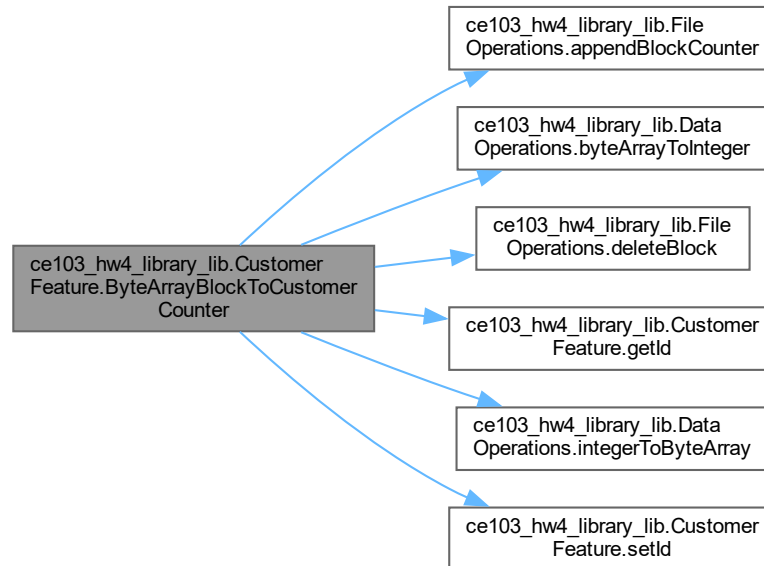


5.2.1.2 ByteArrayBlockToCustomerCounter()

```
static CustomerFeature ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomerCounter (
    byte[] byteArray ) throws IOException [static]
```


References [ce103_hw4_library_lib.FileOperations.appendBlockCounter\(\)](#), [ce103_hw4_library_lib.DataOperations.byteArrayToInteger](#), [ce103_hw4_library_lib.FileOperations.deleteBlock\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getId\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#).

Here is the call graph for this function:



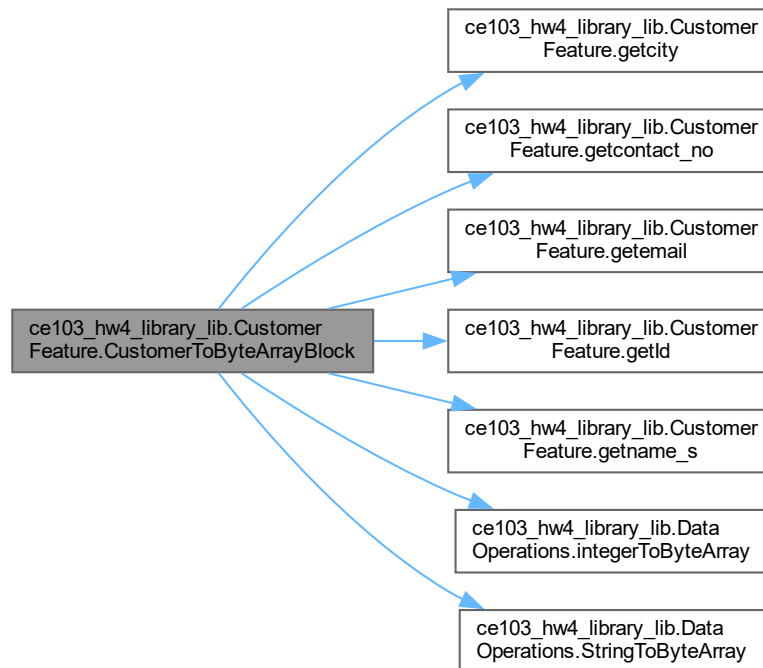
5.2.1.3 CustomerToByteArrayBlock()

```
static byte[] ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock (
    CustomerFeature Customer ) [static]
```

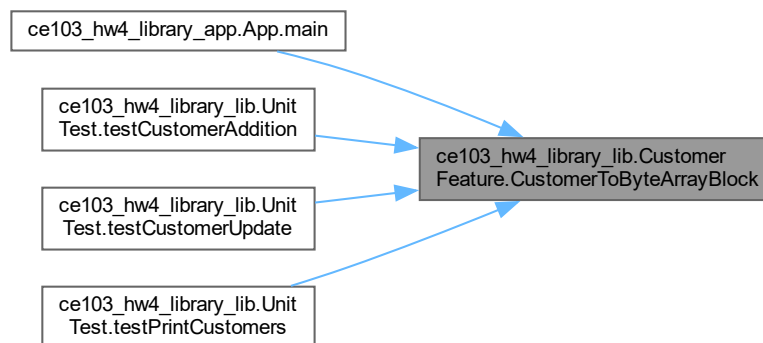
References [ce103_hw4_library_lib.CustomerFeature.city_MAX_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.contact_no_MAX_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.Customer_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.CustomerFeature.email_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.CustomerFeature.getcity\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getcontact_no\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getemail\(\)](#), [ce103_hw4_library_lib.CustomerFeature.getId\(\)](#), [ce103_hw4_library_lib.CustomerFeature.ID_LENGTH](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), [ce103_hw4_library_lib.CustomerFeature.name_s_MAX_LENGTH](#), and [ce103_hw4_library_lib.DataOperations.StringToByteArray\(\)](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), and [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



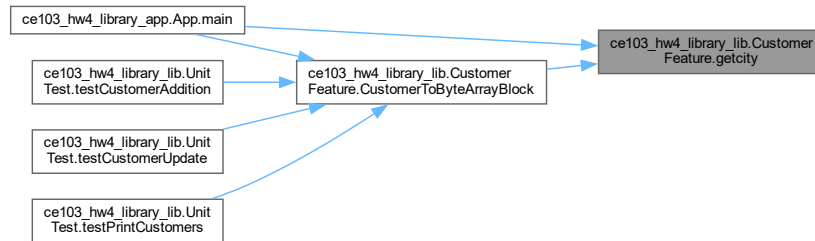
5.2.1.4 getcity()

```
final String ce103_hw4_library_lib.CustomerFeature.getcity ( )
```

References [ce103_hw4_library_lib.CustomerFeature._city](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), and [ce103_hw4_library_app.App.main\(\)](#).

Here is the caller graph for this function:



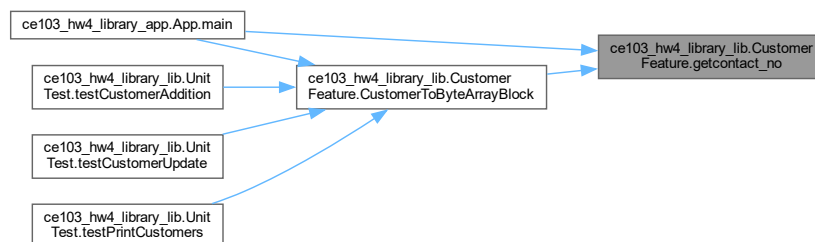
5.2.1.5 getcontact_no()

```
final int ce103_hw4_library_lib.CustomerFeature.getcontact_no ( )
```

References [ce103_hw4_library_lib.CustomerFeature._contact_no](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), and [ce103_hw4_library_app.App.main\(\)](#).

Here is the caller graph for this function:



5.2.1.6 getDate()

```
final String ce103_hw4_library_lib.CustomerFeature.getDate ( )
```

References [ce103_hw4_library_lib.CustomerFeature._date](#).

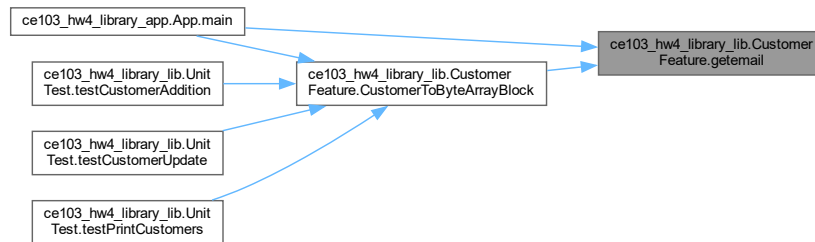
5.2.1.7 getemail()

```
final String ce103_hw4_library_lib.CustomerFeature.getemail ( )
```

References [ce103_hw4_library_lib.CustomerFeature._email](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), and [ce103_hw4_library_app.App.main\(\)](#).

Here is the caller graph for this function:



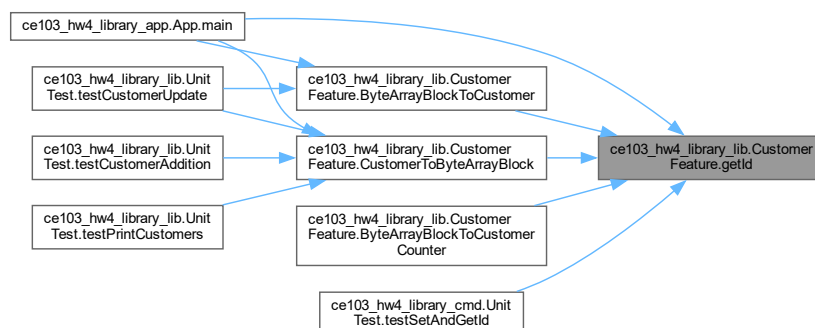
5.2.1.8 getId()

```
final int ce103_hw4_library_lib.CustomerFeature.getId ( )
```

References [ce103_hw4_library_lib.CustomerFeature._id](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomerCounter\(\)](#), [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSetAndGetId\(\)](#).

Here is the caller graph for this function:



5.2.1.9 getName()

```
final String ce103_hw4_library_lib.CustomerFeature.getName ( )
```

References [ce103_hw4_library_lib.CustomerFeature._name](#).

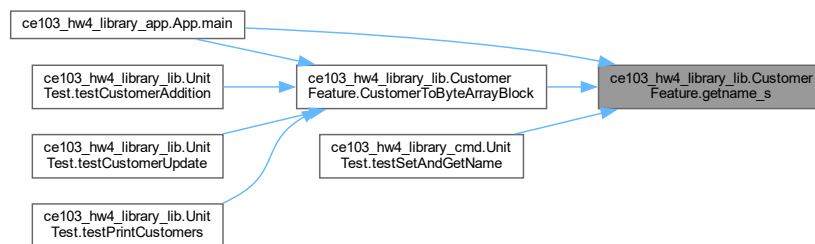
5.2.1.10 getname_s()

```
final String ce103_hw4_library_lib.CustomerFeature.getname_s ( )
```

References [ce103_hw4_library_lib.CustomerFeature._name_s](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSetAndGetName\(\)](#).

Here is the caller graph for this function:



5.2.1.11 getReturnDate()

```
final String ce103_hw4_library_lib.CustomerFeature.getReturnDate ( )
```

References [ce103_hw4_library_lib.CustomerFeature._return_date](#).

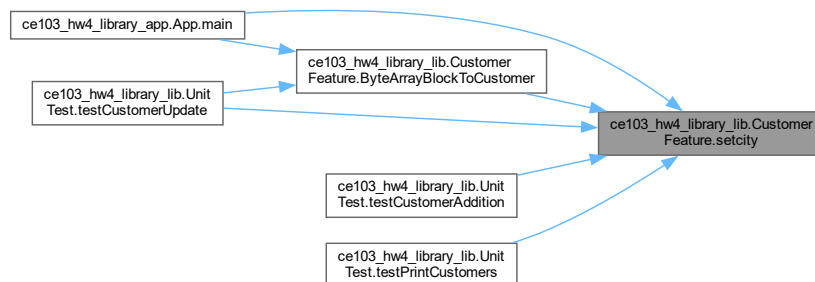
5.2.1.12 setcity()

```
final void ce103_hw4_library_lib.CustomerFeature.setcity (
    String value )
```

References [ce103_hw4_library_lib.CustomerFeature._city](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), and [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#).

Here is the caller graph for this function:



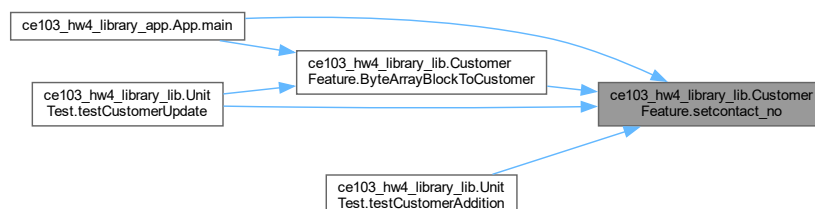
5.2.1.13 setcontact_no()

```
final void ce103_hw4_library_lib.CustomerFeature.setcontact_no (
    int value )
```

References [ce103_hw4_library_lib.CustomerFeature._contact_no](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), and [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#).

Here is the caller graph for this function:



5.2.1.14 setDate()

```
final void ce103_hw4_library_lib.CustomerFeature.setDate (
    String value )
```

References [ce103_hw4_library_lib.CustomerFeature._date](#).

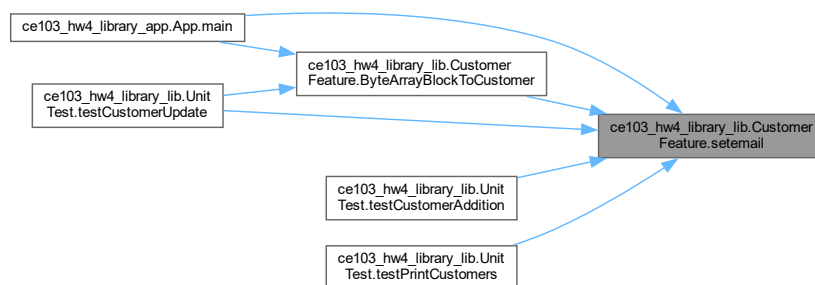
5.2.1.15 setemail()

```
final void ce103_hw4_library_lib.CustomerFeature.setemail (
    String value )
```

References [ce103_hw4_library_lib.CustomerFeature._email](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), and [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#).

Here is the caller graph for this function:



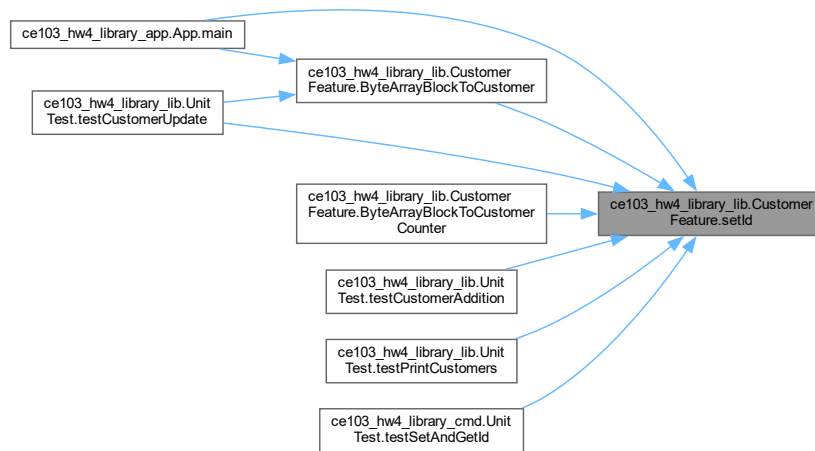
5.2.1.16 setId()

```
final void ce103_hw4_library_lib.CustomerFeature.setId (
    int value )
```

References [ce103_hw4_library_lib.CustomerFeature._id](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSetAndGetId\(\)](#).

Here is the caller graph for this function:



5.2.1.17 setName()

```
final void ce103_hw4_library_lib.CustomerFeature.setName (
    String value )
```

References [ce103_hw4_library_lib.CustomerFeature._name](#).

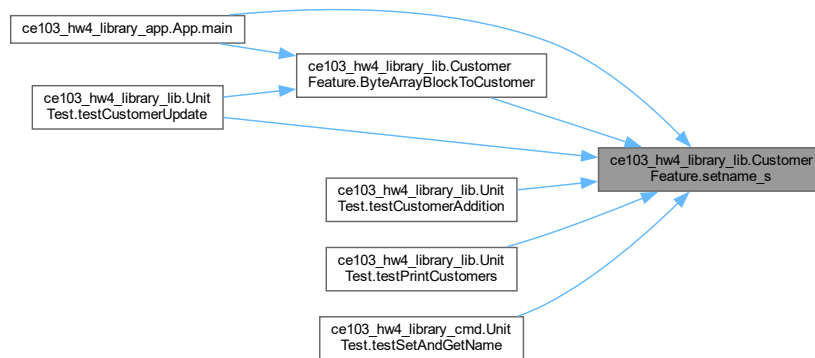
5.2.1.18 setname_s()

```
final void ce103_hw4_library_lib.CustomerFeature.setname_s (
    String value )
```

References [ce103_hw4_library_lib.CustomerFeature._name_s](#).

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSetAndGetName\(\)](#).

Here is the caller graph for this function:



5.2.1.19 setReturnDate()

```
final void ce103_hw4_library_lib.CustomerFeature.setReturnDate (
    String value )
```

References [ce103_hw4_library_lib.CustomerFeature._return_date](#).

5.2.2 Member Data Documentation

5.2.2.1 _city

```
String ce103_hw4_library_lib.CustomerFeature._city [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getcity\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setcity\(\)](#).

5.2.2.2 _contact_no

```
int ce103_hw4_library_lib.CustomerFeature._contact_no [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getcontact_no\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setcontact_no\(\)](#).

5.2.2.3 `_date`

```
String ce103_hw4_library_lib.CustomerFeature._date [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getDate\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setDate\(\)](#).

5.2.2.4 `_email`

```
String ce103_hw4_library_lib.CustomerFeature._email [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getemail\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setemail\(\)](#).

5.2.2.5 `_id`

```
int ce103_hw4_library_lib.CustomerFeature._id [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getId\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#).

5.2.2.6 `_name`

```
String ce103_hw4_library_lib.CustomerFeature._name [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getName\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setName\(\)](#).

5.2.2.7 `_name_s`

```
String ce103_hw4_library_lib.CustomerFeature._name_s [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getname_s\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setname_s\(\)](#).

5.2.2.8 `_return_date`

```
String ce103_hw4_library_lib.CustomerFeature._return_date [private]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.getReturnDate\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setReturnDate\(\)](#).

5.2.2.9 city_MAX_LENGTH

```
final int ce103_hw4_library_lib.CustomerFeature.city_MAX_LENGTH = 50 [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.C](#)

5.2.2.10 contact_no_NAME_MAX_LENGTH

```
final int ce103_hw4_library_lib.CustomerFeature.contact_no_NAME_MAX_LENGTH = 20 [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.C](#)

5.2.2.11 Customer_DATA_BLOCK_SIZE

```
final int ce103_hw4_library_lib.CustomerFeature.Customer_DATA_BLOCK_SIZE = ID_LENGTH + city_MAX_LENGTH  
+ contact_no_NAME_MAX_LENGTH + name_s_MAX_LENGTH + email_NAME_MAX_LENGTH [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_lib.CustomerFeature.Cust](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), and [ce103_hw4_library_lib.UnitTest.testf](#)

5.2.2.12 email_NAME_MAX_LENGTH

```
final int ce103_hw4_library_lib.CustomerFeature.email_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.C](#)

5.2.2.13 ID_LENGTH

```
final int ce103_hw4_library_lib.CustomerFeature.ID_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_lib.CustomerFeature.Byte](#), and [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#).

5.2.2.14 name_s_MAX_LENGTH

```
final int ce103_hw4_library_lib.CustomerFeature.name_s_MAX_LENGTH = 50 [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.C](#)

The documentation for this class was generated from the following file:

- C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_↵
lib/[CustomerFeature.java](#)

5.3 ce103_hw4_library_lib.DataOperations Class Reference

Static Public Member Functions

- static int[] [ToByte](#) (String hexString)
- static String [ToHex](#) (byte[] arr)
- static boolean [IsHex](#) (String str)
- static int [GetInt](#) (byte[] data, int offset, int length)
- static String [ToAscii](#) (String hexString)
- static int [byteArrayToInteger](#) (byte[] byteArray)
- static byte[] [integerToByteArray](#) (int value)
- static byte[] [StringToByteArray](#) (String data)
- static String [byteArrayToString](#) (byte[] byteArray)

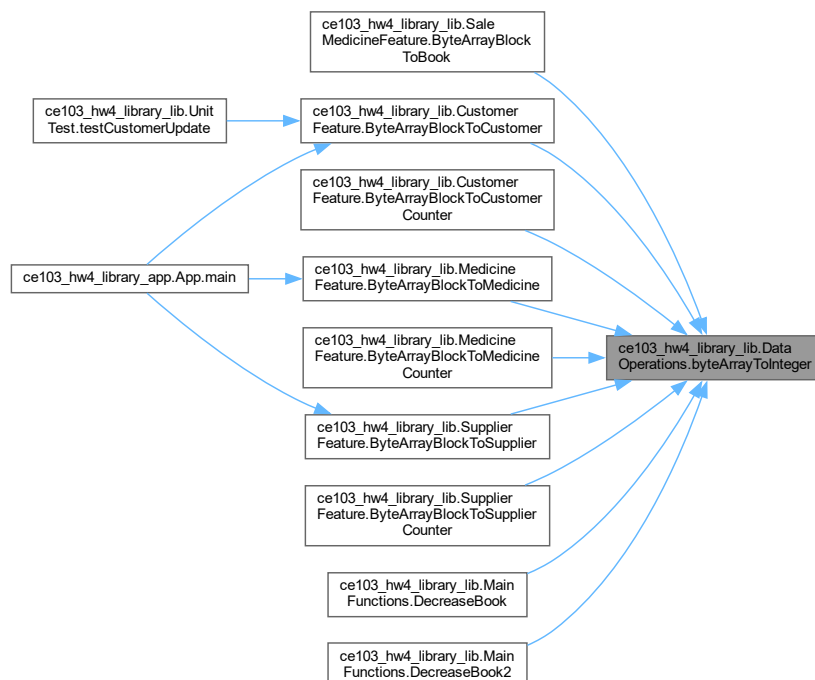
5.3.1 Member Function Documentation

5.3.1.1 byteArrayToInteger()

```
static int ce103_hw4_library_lib.DataOperations.byteArrayToInteger (
    byte[] byteArray ) [static]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#), [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomerCounter\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicineCounter\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), and [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#).

Here is the caller graph for this function:

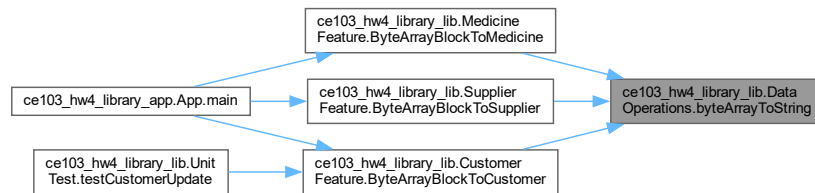


5.3.1.2 byteArrayToString()

```
static String ce103_hw4_library_lib.DataOperations.byteArrayToString (
    byte[] byteArray ) [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#) and [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#).

Here is the caller graph for this function:



5.3.1.3 GetInt()

```
static int ce103_hw4_library_lib.DataOperations.GetInt (
    byte[] data,
    int offset,
    int length ) [static]
```

Referenced by [ce103_hw4_library_cmd.UnitTest.testGetInt\(\)](#).

Here is the caller graph for this function:

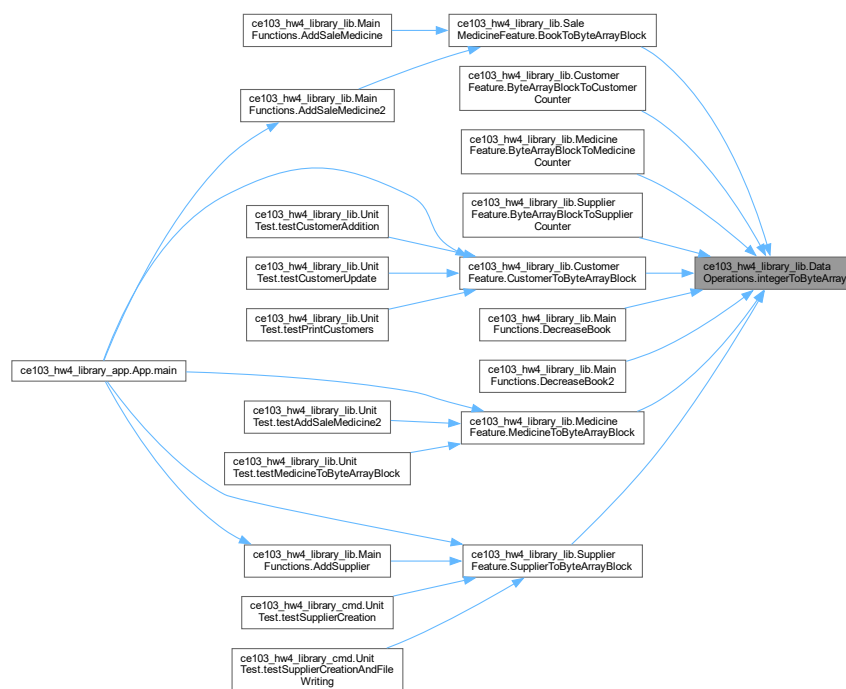


5.3.1.4 integerToByteArray()

```
static byte[] ce103_hw4_library_lib.DataOperations.integerToByteArray (
    int value ) [static]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomerCounter\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicineCounter\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter\(\)](#), [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#), [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



5.3.1.5 IsHex()

```
static boolean ce103_hw4_library_lib.DataOperations.IsHex (
    String str ) [static]
```

References [ce103_hw4_library_lib.DataOperations.ToByte\(\)](#).

Here is the call graph for this function:

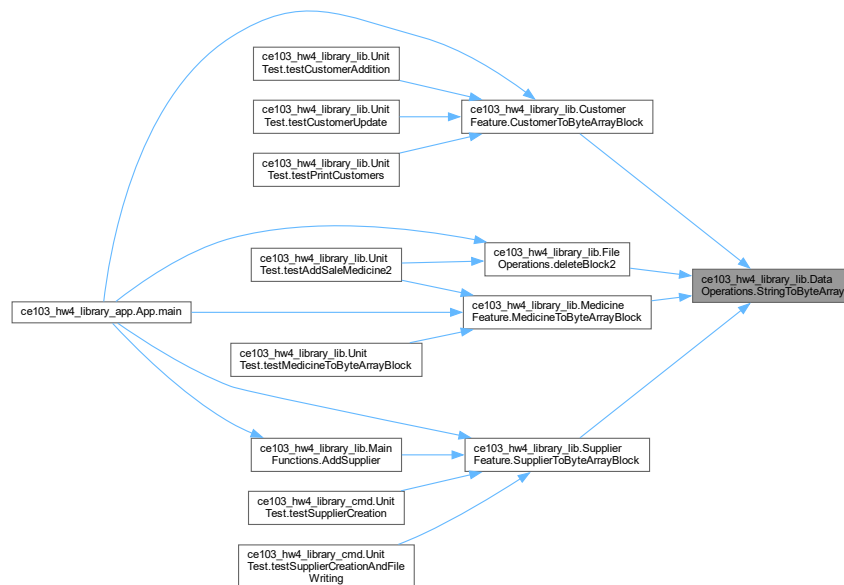


5.3.1.6 StringToByteArray()

```
static byte[] ce103_hw4_library_lib.DataOperations.StringToByteArray (
    String data ) [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), [ce103_hw4_library_lib.FileOperations.deleteBlock2\(\)](#), [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



5.3.1.7 ToAscii()

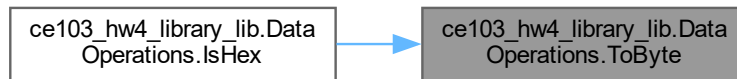
```
static String ce103_hw4_library_lib.DataOperations.ToAscii (
    String hexString ) [static]
```

5.3.1.8 ToByte()

```
static int[] ce103_hw4_library_lib.DataOperations.ToByte (
    String hexString ) [static]
```

Referenced by [ce103_hw4_library_lib.DataOperations.IsHex\(\)](#).

Here is the caller graph for this function:



5.3.1.9 ToHex()

```
static String ce103_hw4_library_lib.DataOperations.ToHex (
    byte[] arr ) [static]
```

The documentation for this class was generated from the following file:

- C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_↵
lib/[DataOperations.java](#)

5.4 ce103_hw4_library_lib.FileOperations Class Reference

Static Public Member Functions

- static byte[] [readBlock](#) (int count, int blocksize, String path) throws IOException
- static boolean [appendBlockCounter](#) (byte[] data, String path) throws IOException
- static boolean [appendBlock](#) (byte[] data, String path) throws IOException
- static boolean [appendBlock2](#) (byte[] data, int offset, int blocksize, String path) throws IOException
- static boolean [updateBlock](#) (byte[] data, int offset, int blocksize, String path) throws IOException
- static boolean [deleteBlock](#) (int count, int blocksize, String path) throws IOException
- static boolean [deleteBlock2](#) (int blockSize, int offset, String path)

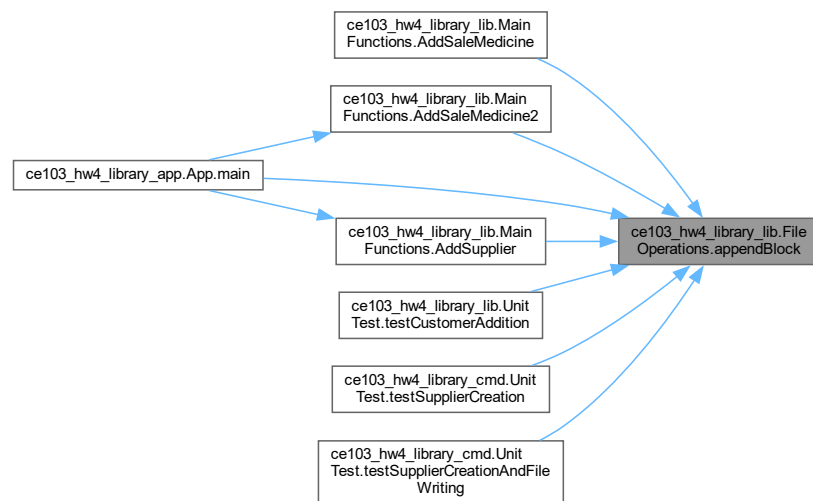
5.4.1 Member Function Documentation

5.4.1.1 appendBlock()

```
static boolean ce103_hw4_library_lib.FileOperations.appendBlock (
    byte[] data,
    String path ) throws IOException [static]
```

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#), [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2\(\)](#), [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerAddition\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



5.4.1.2 appendBlock2()

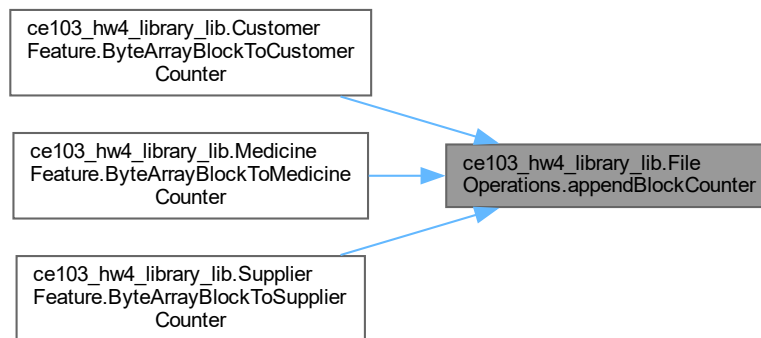
```
static boolean ce103_hw4_library_lib.FileOperations.appendBlock2 (
    byte[] data,
    int offset,
    int blocksize,
    String path ) throws IOException [static]
```

5.4.1.3 appendBlockCounter()

```
static boolean ce103_hw4_library_lib.FileOperations.appendBlockCounter (
    byte[] data,
    String path ) throws IOException [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomerCounter\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicineCounter\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter\(\)](#).

Here is the caller graph for this function:

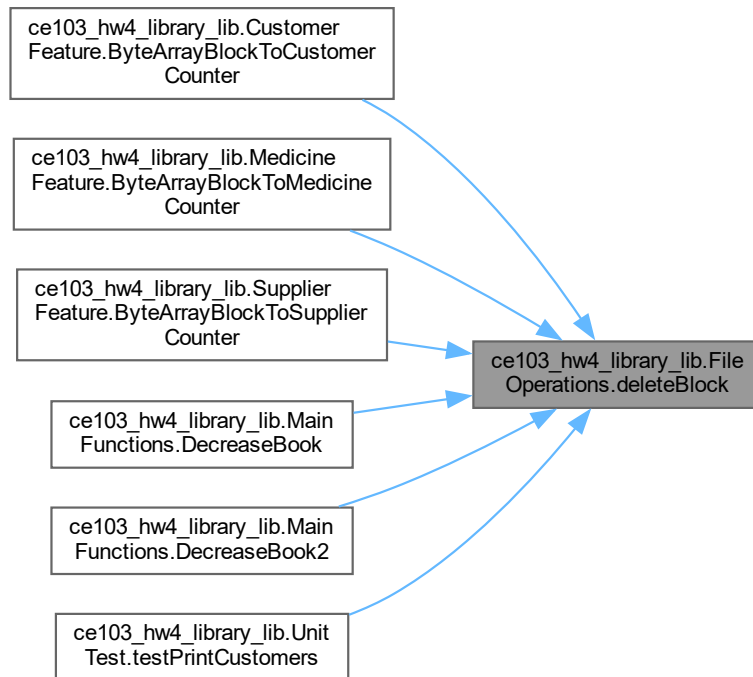


5.4.1.4 deleteBlock()

```
static boolean ce103_hw4_library_lib.FileOperations.deleteBlock (  
    int count,  
    int blocksize,  
    String path ) throws IOException [static]
```

Referenced by [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomerCounter\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicineCounter\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#).

Here is the caller graph for this function:



5.4.1.5 deleteBlock2()

```
static boolean ce103_hw4_library_lib.FileOperations.deleteBlock2 (
    int blockSize,
    int offset,
    String path ) [static]
```

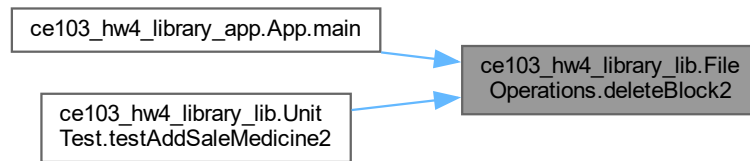
References [ce103_hw4_library_lib.DataOperations.StringToByteArray\(\)](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

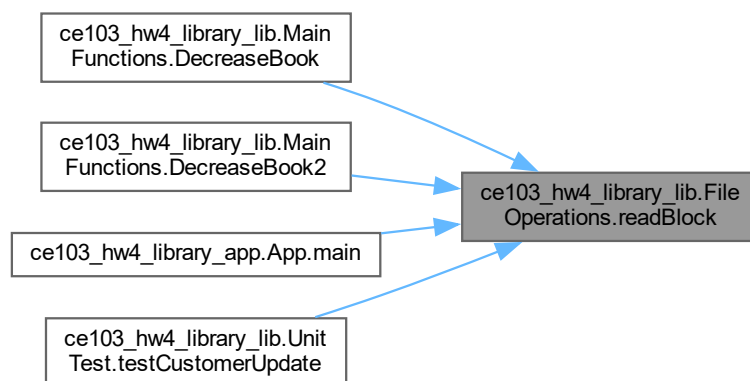


5.4.1.6 readBlock()

```
static byte[] ce103_hw4_library_lib.FileOperations.readBlock (
    int count,
    int blocksize,
    String path ) throws IOException [static]
```

Referenced by [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#).

Here is the caller graph for this function:

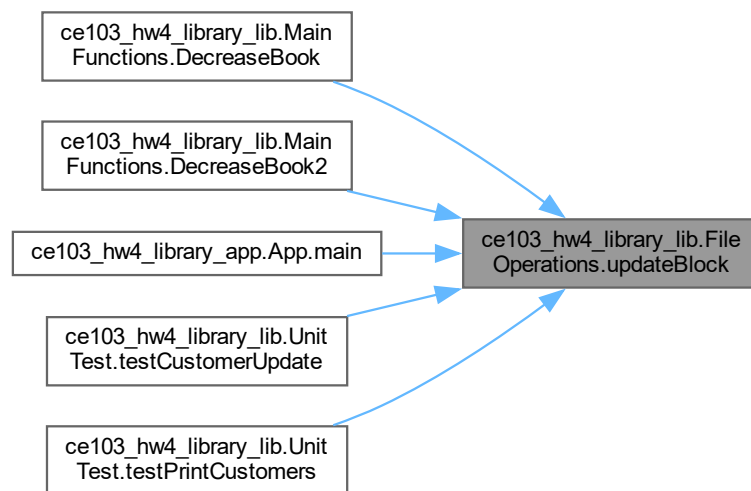


5.4.1.7 updateBlock()

```
static boolean ce103_hw4_library_lib.FileOperations.updateBlock (
    byte[] data,
    int offset,
    int blocksize,
    String path ) throws IOException [static]
```

Referenced by [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testCustomerUpdate\(\)](#), and [ce103_hw4_library_lib.UnitTest.testPrintCustomers\(\)](#)

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- [C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/FileOperations.java](#)

5.5 ce103_hw4_library_lib.MainFunctions Class Reference

Public Member Functions

- void [controlFile](#) (String path, String filename) throws IOException
- final void [AddSupplier](#) (int ID, String Name, String City, int Contact_No, String Email_ID, String path) throws IOException
- final void [DecreaseBook](#) (int amount) throws IOException
- final int [DecreaseBook2](#) (int amount) throws IOException

Static Public Member Functions

- static final void [ControlFile](#) (String FileName) throws IOException
- static final void [AddSaleMedicine](#) (int MedicineId, int CustomerId, int MedicineQuantity, String SaleDate) throws IOException
- static final void [AddSaleMedicine2](#) (int MedicineId, int CustomerId) throws IOException

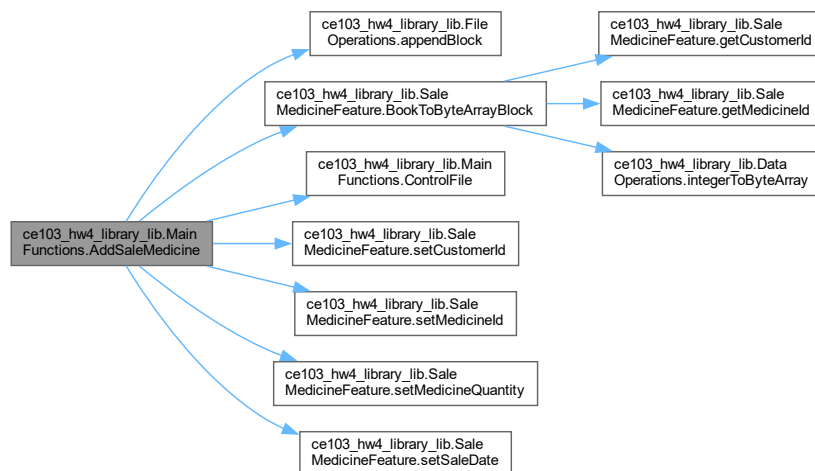
5.5.1 Member Function Documentation

5.5.1.1 AddSaleMedicine()

```
static final void ce103_hw4_library_lib.MainFunctions.AddSaleMedicine (
    int MedicineId,
    int CustomerId,
    int MedicineQuantity,
    String SaleDate ) throws IOException [static]
```

References [ce103_hw4_library_lib.FileOperations.appendBlock\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock](#), [ce103_hw4_library_lib.MainFunctions.ControlFile\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.setCustomerId\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.setMedicineId\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.setMedicineQuantity\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.setSaleDate\(\)](#).

Here is the call graph for this function:



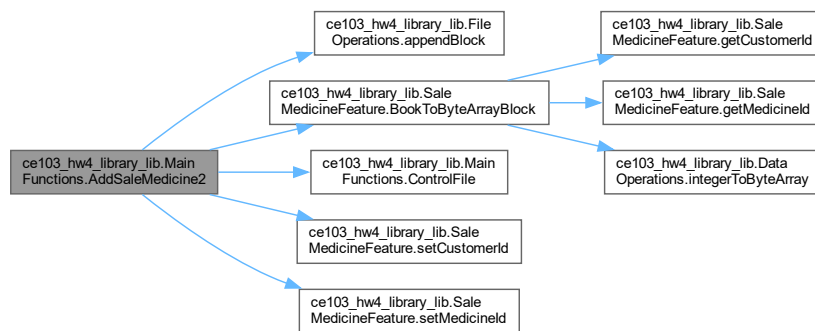
5.5.1.2 AddSaleMedicine2()

```
static final void ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2 (
    int MedicineId,
    int CustomerId ) throws IOException [static]
```

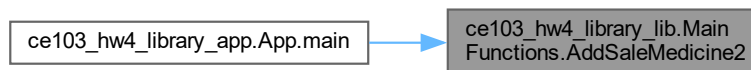
References [ce103_hw4_library_lib.FileOperations.appendBlock\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock](#), [ce103_hw4_library_lib.MainFunctions.ControlFile\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.setCustomerId\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.setMedicineId\(\)](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



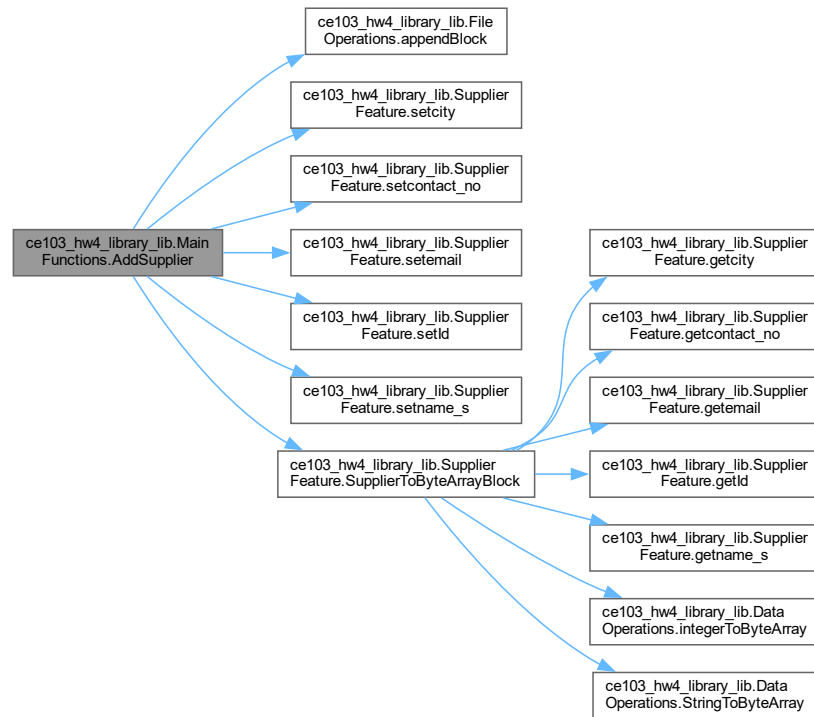
5.5.1.3 AddSupplier()

```
final void ce103_hw4_library_lib.MainFunctions.AddSupplier (
    int ID,
    String Name,
    String City,
    int Contact_No,
    String Email_ID,
    String path ) throws IOException
```

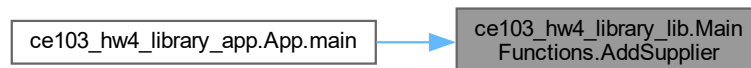
References [ce103_hw4_library_lib.FileOperations.appendBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcity\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setemail\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setld\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setname_s\(\)](#), and [ce103_hw4_library_lib.Su](#)

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

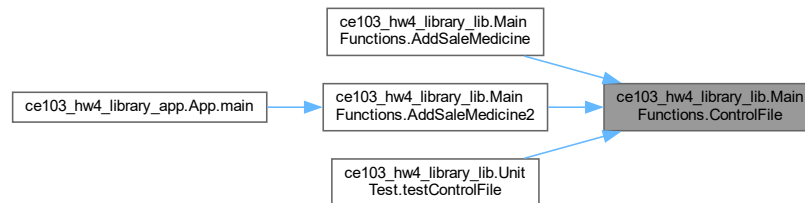


5.5.1.4 ControlFile()

```
static final void ce103_hw4_library_lib.MainFunctions.ControlFile (
    String FileName ) throws IOException [static]
```


Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#), [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2\(\)](#) and [ce103_hw4_library_lib.UnitTest.testControlFile\(\)](#).

Here is the caller graph for this function:



5.5.1.5 controlFile()

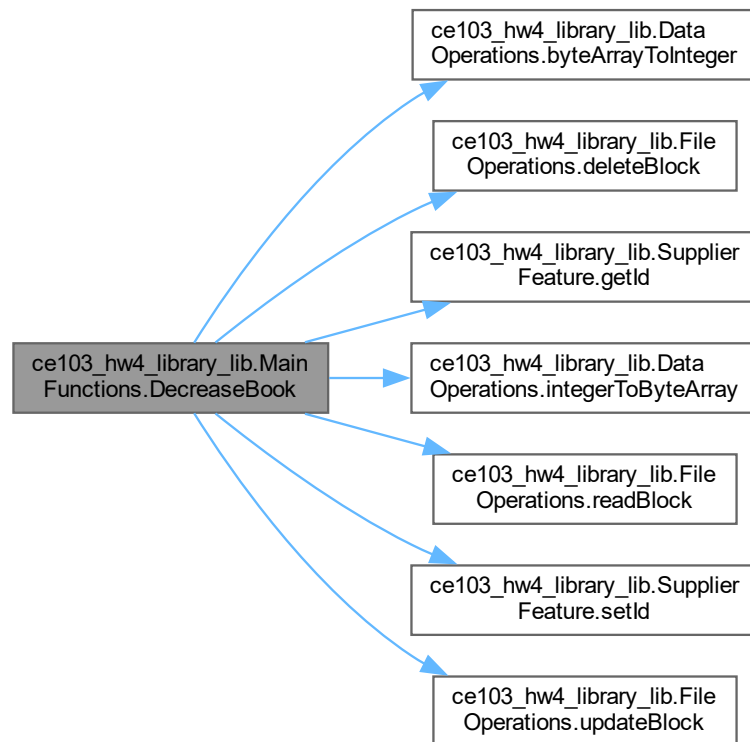
```
void ce103_hw4_library_lib.MainFunctions.controlFile (
    String path,
    String filename ) throws IOException
```

5.5.1.6 DecreaseBook()

```
final void ce103_hw4_library_lib.MainFunctions.DecreaseBook (
    int amount ) throws IOException
```

References [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.FileOperations.deleteBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), [ce103_hw4_library_lib.FileOperations.readBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setId\(\)](#), and [ce103_hw4_library_lib.FileOp](#)

Here is the call graph for this function:

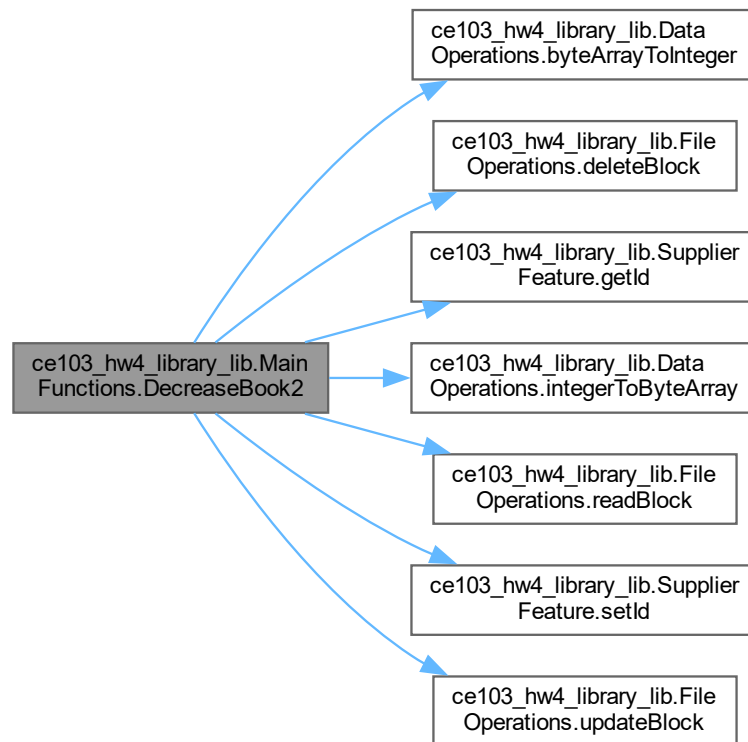


5.5.1.7 DecreaseBook2()

```
final int ce103_hw4_library_lib.MainFunctions.DecreaseBook2 (
    int amount ) throws IOException
```

References [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.FileOperations.deleteBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), [ce103_hw4_library_lib.FileOperations.readBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setId\(\)](#), and [ce103_hw4_library_lib.FileOperations.updateBlock\(\)](#).

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- `C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/MainFunctions.java`

5.6 ce103_hw4_library_lib.MedicineFeature Class Reference

Public Member Functions

- final int `getId` ()
- final void `setId` (int value)
- final String `getName_s` ()
- final void `setName_s` (String value)
- final int `getRack` ()
- final void `setRack` (int value)
- final int `getCabnit` ()
- final void `setCabnit` (int value)
- final String `getCompany` ()
- final void `setCompany` (String value)
- final String `getMedicine` ()

- final void [setMedicine](#) (String value)
- final int [getUnitcost](#) ()
- final void [setUnitcost](#) (int value)
- final int [getSalecost](#) ()
- final void [setSalecost](#) (int value)
- final int [getQuantity](#) ()
- final void [setQuantity](#) (int value)
- final String [getMgf_date](#) ()
- final void [setMgf_date](#) (String value)
- final String [getExp_date](#) ()
- final void [setExp_date](#) (String value)
- final String [getName](#) ()
- final void [setName](#) (String value)

Static Public Member Functions

- static byte[] [MedicineToByteArrayBlock](#) ([MedicineFeature](#) Medicine)
- static [MedicineFeature](#) [ByteArrayBlockToMedicineCounter](#) (byte[] byteArray) throws IOException
- static [MedicineFeature](#) [ByteArrayBlockToMedicine](#) (byte[] byteArray)

Static Public Attributes

- static final int [ID_LENGTH](#) = 4
- static final int [name_s_MAX_LENGTH](#) = 100
- static final int [rack_MAX_LENGTH](#) = 4
- static final int [cabnit_MAX_LENGTH](#) = 4
- static final int [company_NAME_MAX_LENGTH](#) = 100
- static final int [Medicine_NAME_MAX_LENGTH](#) = 100
- static final int [unitcost_MAX_LENGTH](#) = 10
- static final int [salecost_MAX_LENGTH](#) = 10
- static final int [quantity_MAX_LENGTH](#) = 10
- static final int [mgf_date_LENGTH](#) = 30
- static final int [exp_date_LENGTH](#) = 30
- static final int [Medicine_DATA_BLOCK_SIZE](#)
- static final int [SaleMedicine_DATA_BLOCK_SIZE](#) = [ID_LENGTH](#) + [Medicine_NAME_MAX_LENGTH](#)

Private Attributes

- int [_id](#)
- String [_name_s](#)
- int [_rack](#)
- int [_cabnit](#)
- String [_company](#)
- String [_Medicine](#)
- int [_unitcost](#)
- int [_salecost](#)
- int [_quantity](#)
- String [_mgf_date](#)
- String [_exp_date](#)
- String [_name](#)

5.6.1 Member Function Documentation

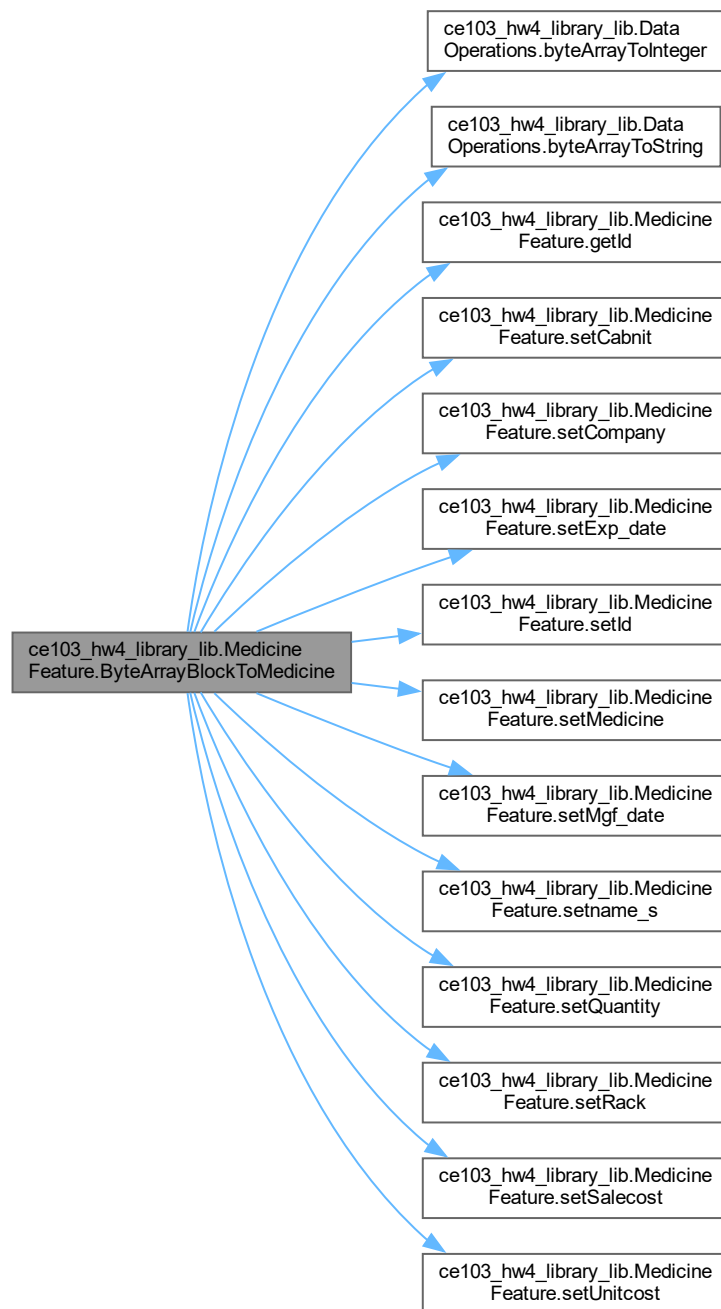
5.6.1.1 ByteArrayBlockToMedicine()

```
static MedicineFeature ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine (
    byte[] byteArray ) [static]
```

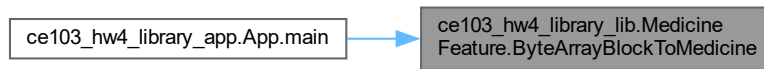
References [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.DataOperations.byteArrayToString\(\)](#), [ce103_hw4_library_lib.MedicineFeature.cabnit_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.company_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.exp_date_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.getId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ID_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.Medicine_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.MedicineFeature.Medicine_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.mgf_date_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.name_s_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.quantity_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.rack_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.salecost_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.setCabnit\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setCompany\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setExp_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setMgf_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setQuantity\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setRack\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setUnitcost\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.unitcost_MAX_LENGTH](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

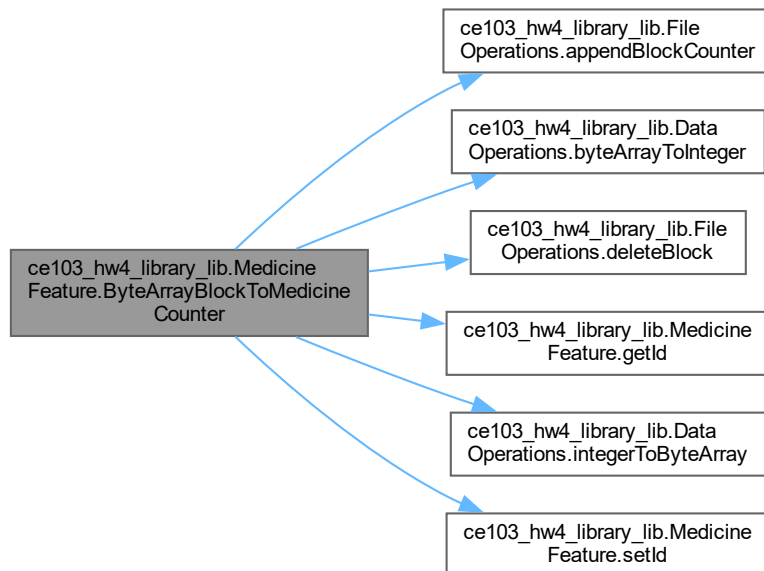


5.6.1.2 ByteArrayBlockToMedicineCounter()

```
static MedicineFeature ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicineCounter (
    byte[] byteArray ) throws IOException [static]
```

References [ce103_hw4_library_lib.FileOperations.appendBlockCounter\(\)](#), [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.FileOperations.deleteBlock\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setId\(\)](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setId\(\)](#).

Here is the call graph for this function:



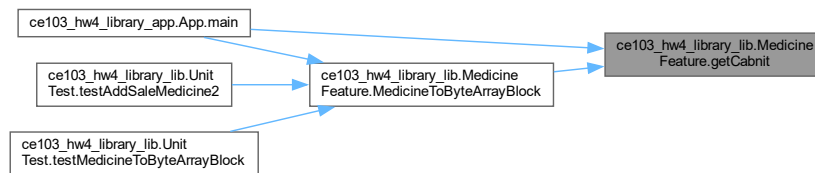
5.6.1.3 getCabnit()

```
final int ce103_hw4_library_lib.MedicineFeature.getCabnit ( )
```

References [ce103_hw4_library_lib.MedicineFeature._cabnit](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



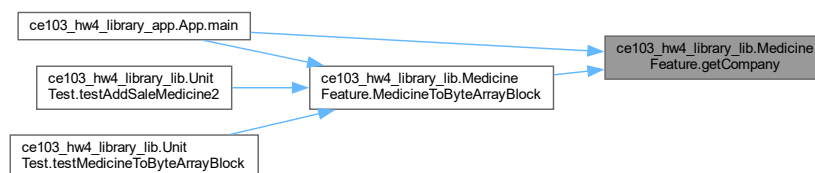
5.6.1.4 getCompany()

```
final String ce103_hw4_library_lib.MedicineFeature.getCompany ( )
```

References [ce103_hw4_library_lib.MedicineFeature._company](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



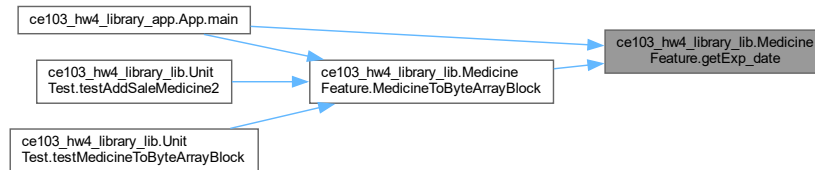
5.6.1.5 getExp_date()

```
final String ce103_hw4_library_lib.MedicineFeature.getExp_date ( )
```

References [ce103_hw4_library_lib.MedicineFeature._exp_date](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



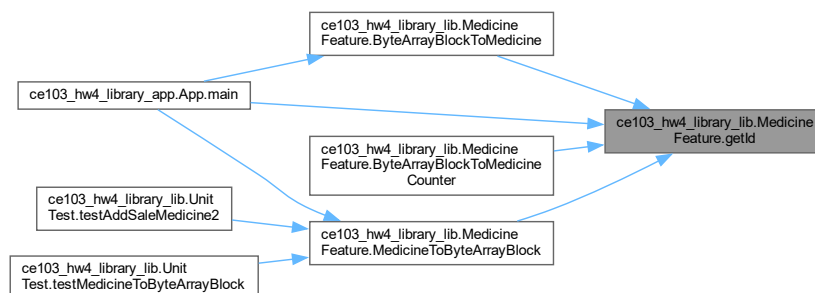
5.6.1.6 getId()

```
final int ce103_hw4_library_lib.MedicineFeature.getId ( )
```

References [ce103_hw4_library_lib.MedicineFeature._id](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicineCounter\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



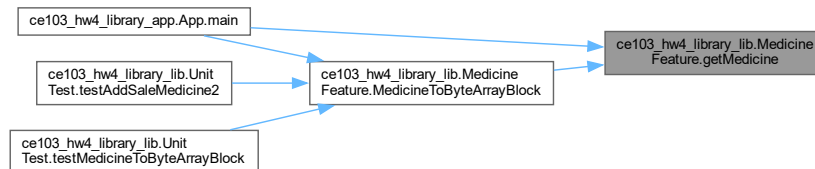
5.6.1.7 getMedicine()

```
final String ce103_hw4_library_lib.MedicineFeature.getMedicine ( )
```

References [ce103_hw4_library_lib.MedicineFeature._Medicine](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



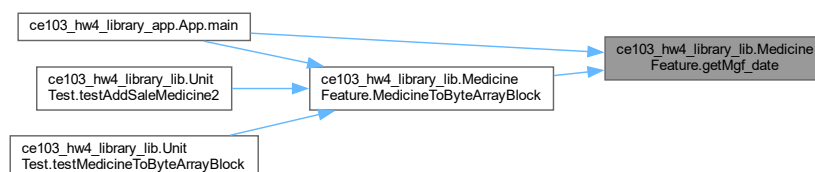
5.6.1.8 getMgf_date()

```
final String ce103_hw4_library_lib.MedicineFeature.getMgf_date ( )
```

References [ce103_hw4_library_lib.MedicineFeature._mgf_date](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



5.6.1.9 getName()

```
final String ce103_hw4_library_lib.MedicineFeature.getName ( )
```

References [ce103_hw4_library_lib.MedicineFeature._name](#).

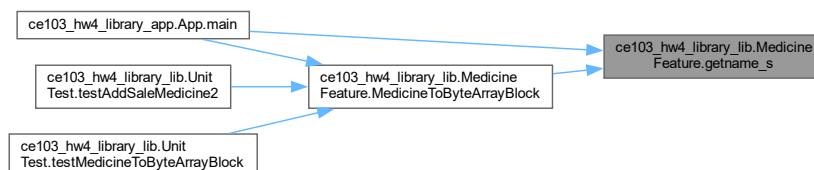
5.6.1.10 `getname_s()`

```
final String ce103_hw4_library_lib.MedicineFeature.getname_s ( )
```

References [ce103_hw4_library_lib.MedicineFeature._name_s](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



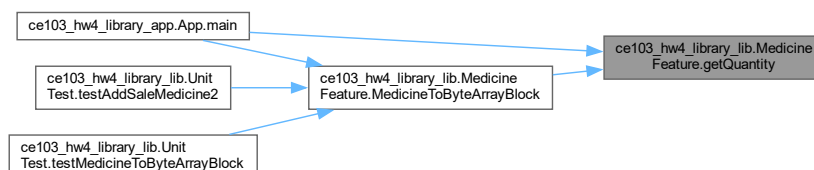
5.6.1.11 `getQuantity()`

```
final int ce103_hw4_library_lib.MedicineFeature.getQuantity ( )
```

References [ce103_hw4_library_lib.MedicineFeature._quantity](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



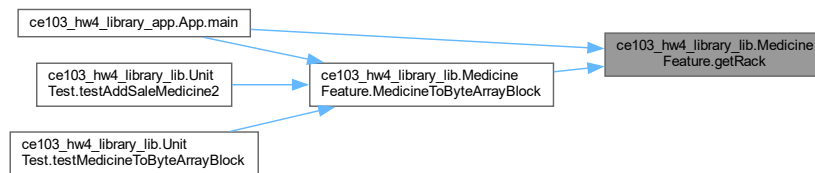
5.6.1.12 getRack()

```
final int ce103_hw4_library_lib.MedicineFeature.getRack ( )
```

References [ce103_hw4_library_lib.MedicineFeature._rack](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



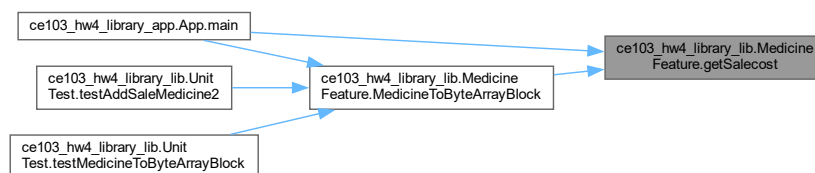
5.6.1.13 getSalecost()

```
final int ce103_hw4_library_lib.MedicineFeature.getSalecost ( )
```

References [ce103_hw4_library_lib.MedicineFeature._salecost](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



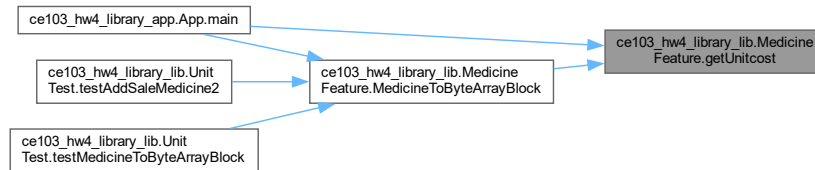
5.6.1.14 getUnitcost()

```
final int ce103_hw4_library_lib.MedicineFeature.getUnitcost ( )
```

References [ce103_hw4_library_lib.MedicineFeature._unitcost](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



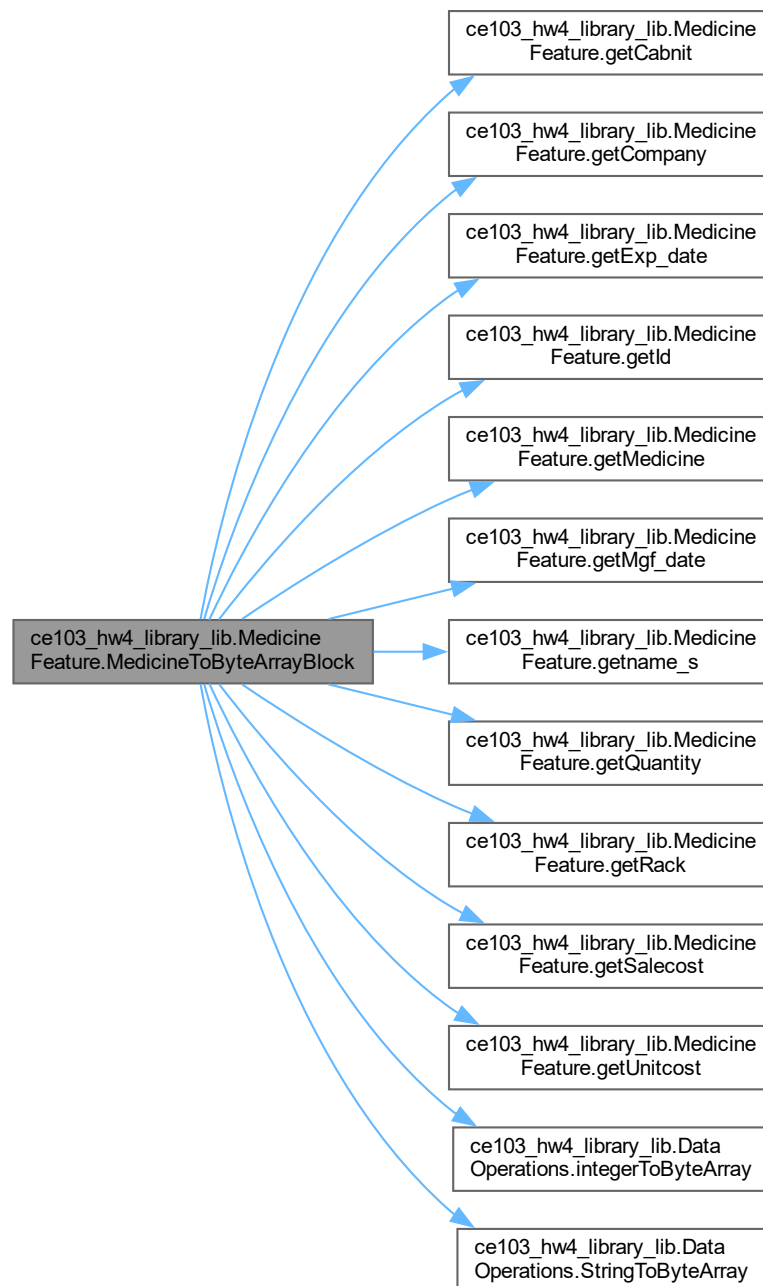
5.6.1.15 MedicineToByteArrayBlock()

```
static byte[] ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock (
    MedicineFeature Medicine ) [static]
```

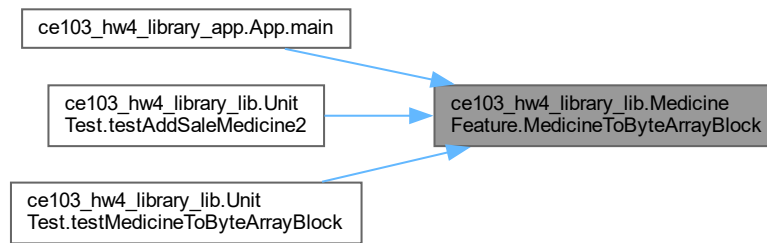
References [ce103_hw4_library_lib.MedicineFeature.cabnit_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.company_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.exp_date_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.getCabnit\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getCompany\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getExp_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getMedicine\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getQuantity\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getRack\(\)](#), [ce103_hw4_library_lib.MedicineFeature.getSalecost\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ID_LENGTH](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), [ce103_hw4_library_lib.MedicineFeature.Medicine_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.MedicineFeature.Medicine_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.mgf_date_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.name_s_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.quantity_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.rack_MAX_LENGTH](#), [ce103_hw4_library_lib.MedicineFeature.salecost_MAX_LENGTH](#), [ce103_hw4_library_lib.DataOperations.StringToByteArray\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.unitcost_MAX_LENGTH](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



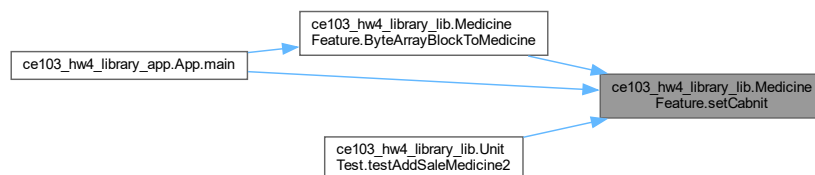
5.6.1.16 setCabnit()

```
final void ce103_hw4_library_lib.MedicineFeature.setCabnit (
    int value )
```

References [ce103_hw4_library_lib.MedicineFeature._cabnit](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#).

Here is the caller graph for this function:



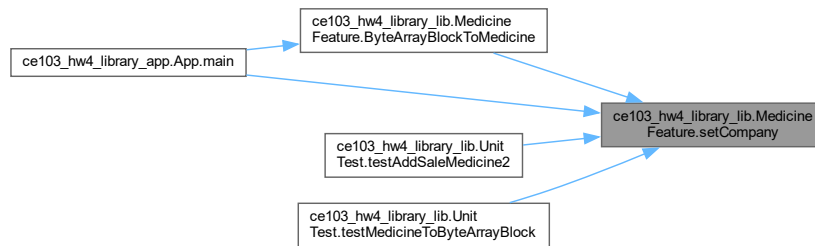
5.6.1.17 setCompany()

```
final void ce103_hw4_library_lib.MedicineFeature.setCompany (
    String value )
```

References [ce103_hw4_library_lib.MedicineFeature._company](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



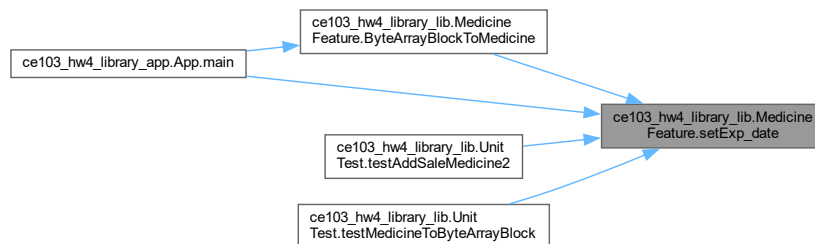
5.6.1.18 setExp_date()

```
final void ce103_hw4_library_lib.MedicineFeature.setExp_date (
    String value )
```

References [ce103_hw4_library_lib.MedicineFeature._exp_date](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



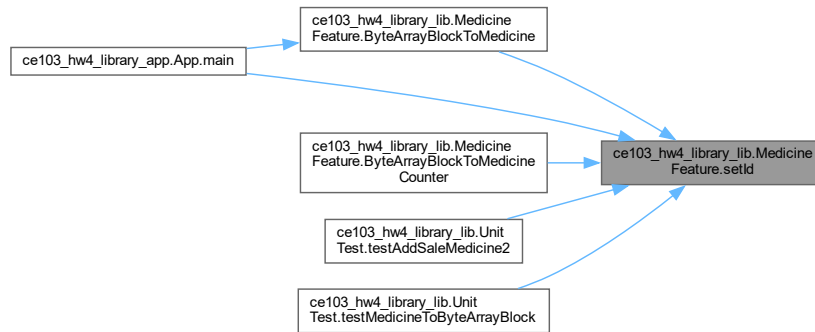
5.6.1.19 setId()

```
final void ce103_hw4_library_lib.MedicineFeature.setId (
    int value )
```

References [ce103_hw4_library_lib.MedicineFeature._id](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



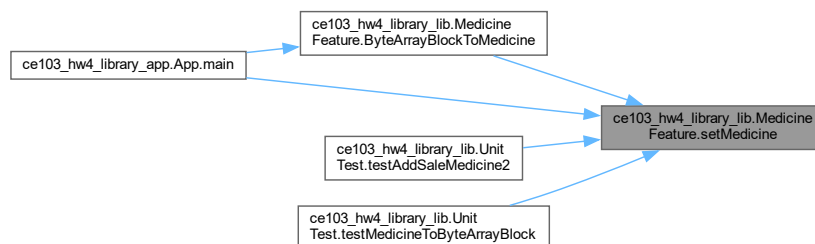
5.6.1.20 setMedicine()

```
final void ce103_hw4_library_lib.MedicineFeature.setMedicine (
    String value )
```

References [ce103_hw4_library_lib.MedicineFeature._Medicine](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



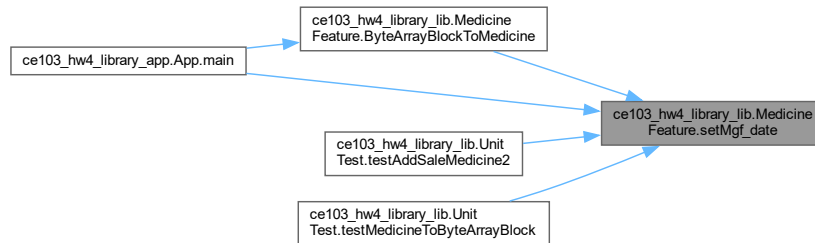
5.6.1.21 setMgf_date()

```
final void ce103_hw4_library_lib.MedicineFeature.setMgf_date (
    String value )
```

References [ce103_hw4_library_lib.MedicineFeature._mgf_date](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



5.6.1.22 setName()

```
final void ce103_hw4_library_lib.MedicineFeature.setName (
    String value )
```

References [ce103_hw4_library_lib.MedicineFeature._name](#).

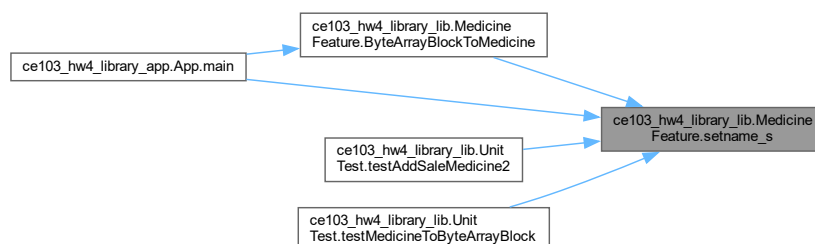
5.6.1.23 setname_s()

```
final void ce103_hw4_library_lib.MedicineFeature.setname_s (
    String value )
```

References [ce103_hw4_library_lib.MedicineFeature._name_s](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



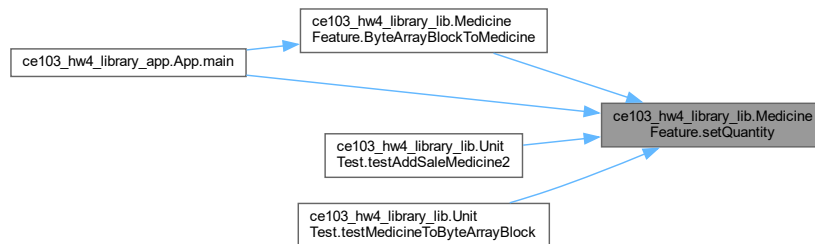
5.6.1.24 setQuantity()

```
final void ce103_hw4_library_lib.MedicineFeature.setQuantity (
    int value )
```

References [ce103_hw4_library_lib.MedicineFeature._quantity](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



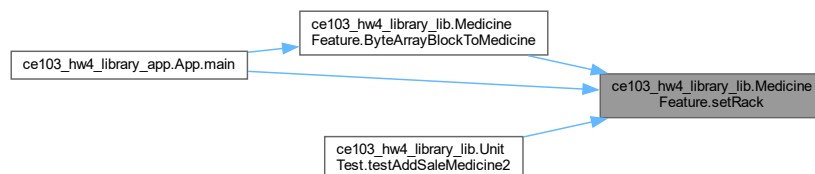
5.6.1.25 setRack()

```
final void ce103_hw4_library_lib.MedicineFeature.setRack (
    int value )
```

References [ce103_hw4_library_lib.MedicineFeature._rack](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#).

Here is the caller graph for this function:



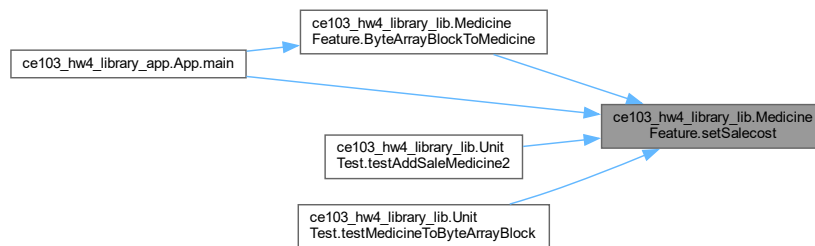
5.6.1.26 setSalecost()

```
final void ce103_hw4_library_lib.MedicineFeature.setSalecost (
    int value )
```

References [ce103_hw4_library_lib.MedicineFeature._salecost](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



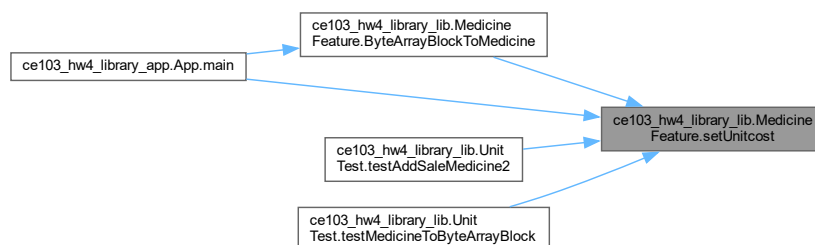
5.6.1.27 setUnitcost()

```
final void ce103_hw4_library_lib.MedicineFeature.setUnitcost (
    int value )
```

References [ce103_hw4_library_lib.MedicineFeature._unitcost](#).

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2\(\)](#), and [ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



5.6.2 Member Data Documentation

5.6.2.1 `_cabnit`

```
int ce103_hw4_library_lib.MedicineFeature._cabnit [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getCabnit\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setCabnit\(\)](#).

5.6.2.2 `_company`

```
String ce103_hw4_library_lib.MedicineFeature._company [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getCompany\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setCompany\(\)](#).

5.6.2.3 `_exp_date`

```
String ce103_hw4_library_lib.MedicineFeature._exp_date [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getExp_date\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setExp_date\(\)](#).

5.6.2.4 `_id`

```
int ce103_hw4_library_lib.MedicineFeature._id [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getId\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setId\(\)](#).

5.6.2.5 `_Medicine`

```
String ce103_hw4_library_lib.MedicineFeature._Medicine [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setMedicine\(\)](#).

5.6.2.6 `_mgf_date`

```
String ce103_hw4_library_lib.MedicineFeature._mgf_date [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getMgf_date\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setMgf_date\(\)](#).

5.6.2.7 `_name`

```
String ce103_hw4_library_lib.MedicineFeature._name [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getName\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setName\(\)](#).

5.6.2.8 `_name_s`

```
String ce103_hw4_library_lib.MedicineFeature._name_s [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getname_s\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setname_s\(\)](#).

5.6.2.9 `_quantity`

```
int ce103_hw4_library_lib.MedicineFeature._quantity [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getQuantity\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setQuantity\(\)](#).

5.6.2.10 `_rack`

```
int ce103_hw4_library_lib.MedicineFeature._rack [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getRack\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setRack\(\)](#).

5.6.2.11 `_salecost`

```
int ce103_hw4_library_lib.MedicineFeature._salecost [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getSalecost\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setSalecost\(\)](#).

5.6.2.12 `_unitcost`

```
int ce103_hw4_library_lib.MedicineFeature._unitcost [private]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.getUnitcost\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setUnitcost\(\)](#).

5.6.2.13 cabnit_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.cabnit_MAX_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.14 company_NAME_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.company_NAME_MAX_LENGTH = 100 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.15 exp_date_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.exp_date_LENGTH = 30 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.16 ID_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.ID_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_lib.MedicineFeature.ByteArray](#) and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

5.6.2.17 Medicine_DATA_BLOCK_SIZE

```
final int ce103_hw4_library_lib.MedicineFeature.Medicine_DATA_BLOCK_SIZE [static]
```

Initial value:

```
= ID_LENGTH + rack_MAX_LENGTH + cabnit_MAX_LENGTH + name_s_MAX_LENGTH  
+ company_NAME_MAX_LENGTH + Medicine_NAME_MAX_LENGTH + unitcost_MAX_LENGTH + salecost_MAX_LENGTH +  
quantity_MAX_LENGTH + mgf_date_LENGTH  
+ exp_date_LENGTH
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#).

5.6.2.18 Medicine_NAME_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.Medicine_NAME_MAX_LENGTH = 100 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.19 mgf_date_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.mgf_date_LENGTH = 30 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.20 name_s_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.name_s_MAX_LENGTH = 100 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.21 quantity_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.quantity_MAX_LENGTH = 10 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.22 rack_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.rack_MAX_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.23 salecost_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.salecost_MAX_LENGTH = 10 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

5.6.2.24 SaleMedicine_DATA_BLOCK_SIZE

```
final int ce103_hw4_library_lib.MedicineFeature.SaleMedicine_DATA_BLOCK_SIZE = ID_LENGTH +
Medicine_NAME_MAX_LENGTH [static]
```

5.6.2.25 unitcost_MAX_LENGTH

```
final int ce103_hw4_library_lib.MedicineFeature.unitcost_MAX_LENGTH = 10 [static]
```

Referenced by [ce103_hw4_library_lib.MedicineFeature.ByteArrayBlockToMedicine\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.Me](#)

The documentation for this class was generated from the following file:

- C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_↔
lib/[MedicineFeature.java](#)

5.7 ce103_hw4_library_lib.SaleMedicineFeature Class Reference

Public Member Functions

- final int [getCustomerId](#) ()
- final void [setCustomerId](#) (int value)
- final int [getMedicineId](#) ()
- final void [setMedicineId](#) (int value)
- final int [getMedicineQuantity](#) ()
- final void [setMedicineQuantity](#) (int value)
- final String [getSaleDate](#) ()
- final void [setSaleDate](#) (String value)

Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) (SaleMedicineFeature sale)
- static [SaleMedicineFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

Static Public Attributes

- static final int [CUSTOMER_ID_MAX_LENGTH](#) = 4
- static final int [MEDICINE_ID_LENGTH](#) = 4
- static final int [SALE_DATA_BLOCK_SIZE](#) = [CUSTOMER_ID_MAX_LENGTH](#) + [MEDICINE_ID_LENGTH](#)

Private Attributes

- int [_customerId](#)
- int [_medicineId](#)
- int [_medicineQuantity](#)
- String [_saleDate](#)

5.7.1 Member Function Documentation

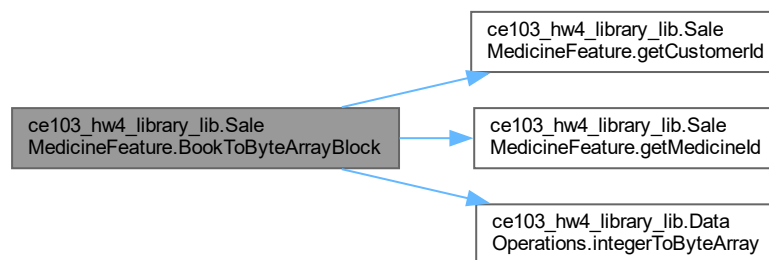
5.7.1.1 BookToByteArrayBlock()

```
static byte[] ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock (
    SaleMedicineFeature sale ) [static]
```

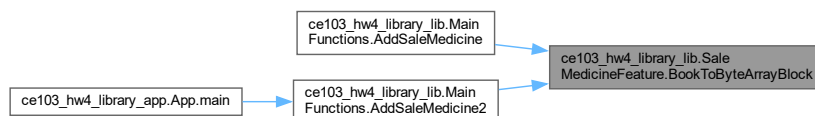
References [ce103_hw4_library_lib.SaleMedicineFeature.CUSTOMER_ID_MAX_LENGTH](#), [ce103_hw4_library_lib.SaleMedicineFeature.getCustomerId\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.getMedicineId\(\)](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.MEDICINE_ID_LENGTH](#), and [ce103_hw4_library_lib.SaleMedicineFeature.SALE_DATA_LENGTH](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#), and [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

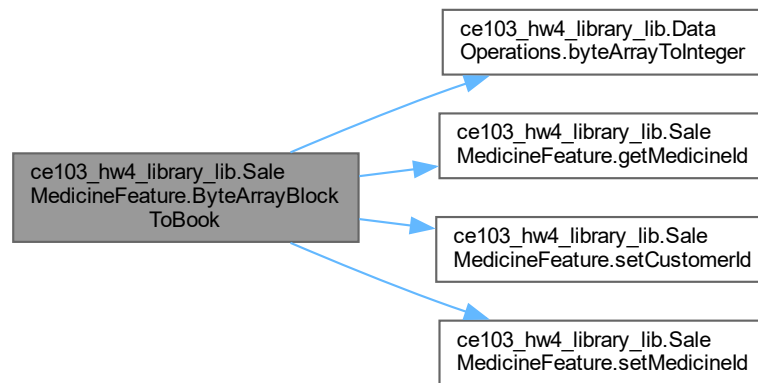


5.7.1.2 ByteArrayBlockToBook()

```
static SaleMedicineFeature ce103_hw4_library_lib.SaleMedicineFeature.ByteArrayBlockToBook (
    byte[] byteArray ) [static]
```

References [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.CUSTOMER_ID_LENGTH](#), [ce103_hw4_library_lib.SaleMedicineFeature.getMedicineId\(\)](#), [ce103_hw4_library_lib.SaleMedicineFeature.MEDICINE_ID_LENGTH](#), [ce103_hw4_library_lib.SaleMedicineFeature.SALE_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.SaleMedicineFeature.setCustomerId\(\)](#) and [ce103_hw4_library_lib.SaleMedicineFeature.setMedicineId\(\)](#).

Here is the call graph for this function:



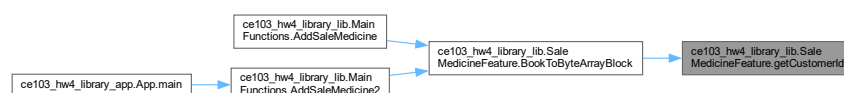
5.7.1.3 getCustomerId()

```
final int ce103_hw4_library_lib.SaleMedicineFeature.getCustomerId ( )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._customerId](#).

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



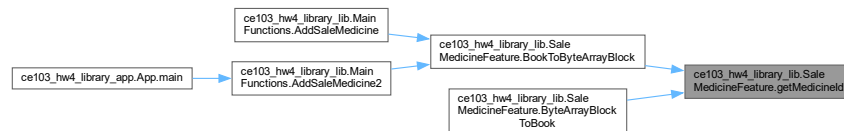
5.7.1.4 getMedicineId()

```
final int ce103_hw4_library_lib.SaleMedicineFeature.getMedicineId ( )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._medicineId](#).

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature](#)

Here is the caller graph for this function:



5.7.1.5 getMedicineQuantity()

```
final int ce103_hw4_library_lib.SaleMedicineFeature.getMedicineQuantity ( )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._medicineQuantity](#).

5.7.1.6 getSaleDate()

```
final String ce103_hw4_library_lib.SaleMedicineFeature.getSaleDate ( )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._saleDate](#).

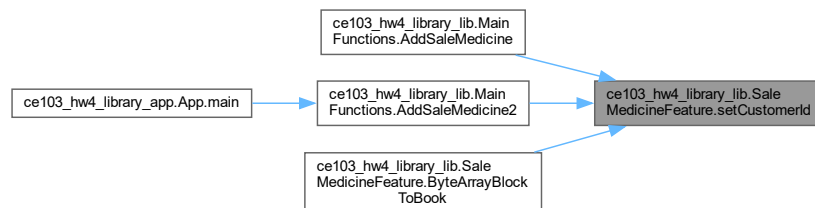
5.7.1.7 setCustomerId()

```
final void ce103_hw4_library_lib.SaleMedicineFeature.setCustomerId (
    int value )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._customerId](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#), [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2\(\)](#) and [ce103_hw4_library_lib.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



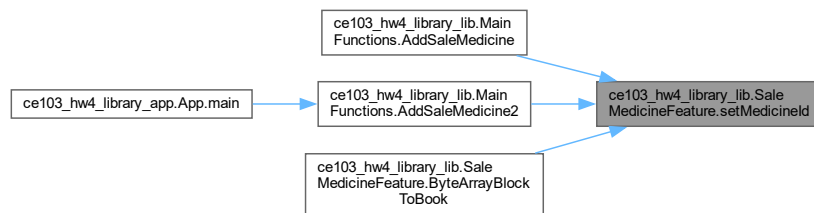
5.7.1.8 setMedicineId()

```
final void ce103_hw4_library_lib.SaleMedicineFeature.setMedicineId (  
    int value )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._medicineId](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#), [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine2\(\)](#) and [ce103_hw4_library_lib.SaleMedicineFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



5.7.1.9 setMedicineQuantity()

```
final void ce103_hw4_library_lib.SaleMedicineFeature.setMedicineQuantity (  
    int value )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._medicineQuantity](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#).

Here is the caller graph for this function:



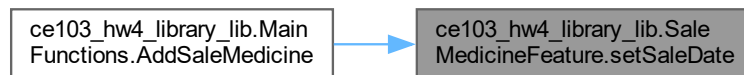
5.7.1.10 setSaleDate()

```
final void ce103_hw4_library_lib.SaleMedicineFeature.setSaleDate (
    String value )
```

References [ce103_hw4_library_lib.SaleMedicineFeature._saleDate](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSaleMedicine\(\)](#).

Here is the caller graph for this function:



5.7.2 Member Data Documentation

5.7.2.1 _customerId

```
int ce103_hw4_library_lib.SaleMedicineFeature._customerId [private]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.getCustomerId\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.setCu](#)

5.7.2.2 _medicineId

```
int ce103_hw4_library_lib.SaleMedicineFeature._medicineId [private]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.getMedicineId\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.setMe](#)

5.7.2.3 _medicineQuantity

```
int ce103_hw4_library_lib.SaleMedicineFeature._medicineQuantity [private]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.getMedicineQuantity\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.](#)

5.7.2.4 _saleDate

```
String ce103_hw4_library_lib.SaleMedicineFeature._saleDate [private]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.getSaleDate\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.setSaleDate\(\)](#)

5.7.2.5 CUSTOMER_ID_MAX_LENGTH

```
final int ce103_hw4_library_lib.SaleMedicineFeature.CUSTOMER_ID_MAX_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#)

5.7.2.6 MEDICINE_ID_LENGTH

```
final int ce103_hw4_library_lib.SaleMedicineFeature.MEDICINE_ID_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#)

5.7.2.7 SALE_DATA_BLOCK_SIZE

```
final int ce103_hw4_library_lib.SaleMedicineFeature.SALE_DATA_BLOCK_SIZE = CUSTOMER_ID_MAX_LENGTH  
+ MEDICINE_ID_LENGTH [static]
```

Referenced by [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#), and [ce103_hw4_library_lib.SaleMedicineFeature.BookToByteArrayBlock\(\)](#)

The documentation for this class was generated from the following file:

- C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/[SaleMedicineFeature.java](#)

5.8 ce103_hw4_library_lib.SupplierFeature Class Reference

Public Member Functions

- final int [getId](#) ()
- final void [setId](#) (int value)
- final String [getName_s](#) ()
- final void [setName_s](#) (String value)
- final String [getCity](#) ()
- final void [setCity](#) (String value)
- final int [getContact_no](#) ()
- final void [setContact_no](#) (int value)
- final String [getEmail](#) ()
- final void [setEmail](#) (String value)

Static Public Member Functions

- static byte[] [SupplierToByteArrayBlock](#) ([SupplierFeature](#) Supplier)
- static [SupplierFeature](#) [ByteArrayBlockToSupplierCounter](#) (byte[] byteArray) throws IOException
- static [SupplierFeature](#) [ByteArrayBlockToSupplier](#) (byte[] byteArray)

Static Public Attributes

- static final int [ID_LENGTH](#) = 4
- static final int [name_s_MAX_LENGTH](#) = 50
- static final int [city_MAX_LENGTH](#) = 50
- static final int [contact_no_NAME_MAX_LENGTH](#) = 20
- static final int [email_NAME_MAX_LENGTH](#) = 50
- static final int [Supplier_DATA_BLOCK_SIZE](#) = [ID_LENGTH](#) + [city_MAX_LENGTH](#) + [contact_no_NAME_MAX_LENGTH](#) + [name_s_MAX_LENGTH](#) + [email_NAME_MAX_LENGTH](#)
- static final int [Name_Lenght](#) = 30
- static final int [Return_Date_Lenght](#) = 20
- static final int [Date_Lenght](#) = 30
- static final int [Borrow_Data_Block_Size](#) = [Name_Lenght](#) + [Return_Date_Lenght](#) + [Date_Lenght](#) + [ID_LENGTH](#)

Private Attributes

- int [_id](#)
- String [_name_s](#)
- String [_city](#)
- int [_contact_no](#)
- String [_email](#)

5.8.1 Member Function Documentation

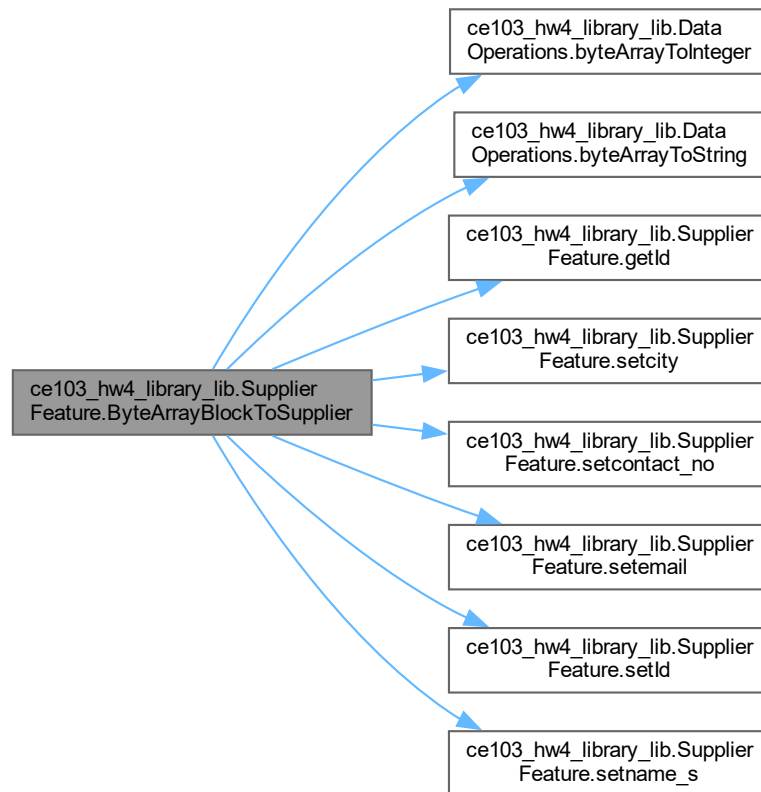
5.8.1.1 ByteArrayBlockToSupplier()

```
static SupplierFeature ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier (
    byte[] byteArray ) [static]
```

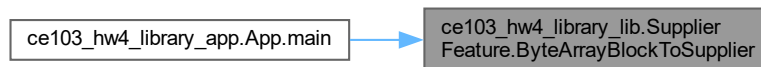
References [ce103_hw4_library_lib.DataOperations.byteArrayToInteger\(\)](#), [ce103_hw4_library_lib.DataOperations.byteArrayToString\(\)](#), [ce103_hw4_library_lib.SupplierFeature.city_MAX_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.contact_no_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.email_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ID_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.name_s_MAX_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.setcity\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setId\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setname_s\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setName_s\(\)](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:

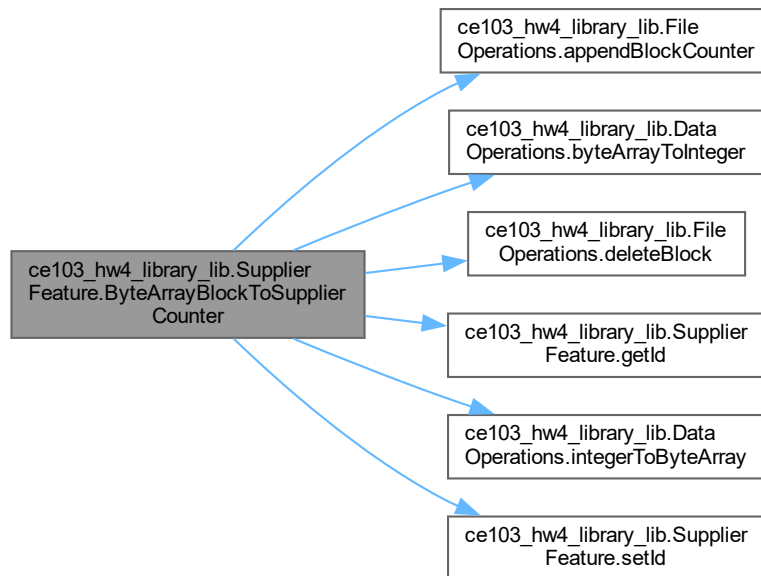


5.8.1.2 ByteArrayBlockToSupplierCounter()

```
static SupplierFeature ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter (
    byte[] byteArray ) throws IOException [static]
```

References [ce103_hw4_library_lib.FileOperations.appendBlockCounter\(\)](#), [ce103_hw4_library_lib.DataOperations.byteArrayToInteger](#), [ce103_hw4_library_lib.FileOperations.deleteBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcity\(\)](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setid\(\)](#).

Here is the call graph for this function:



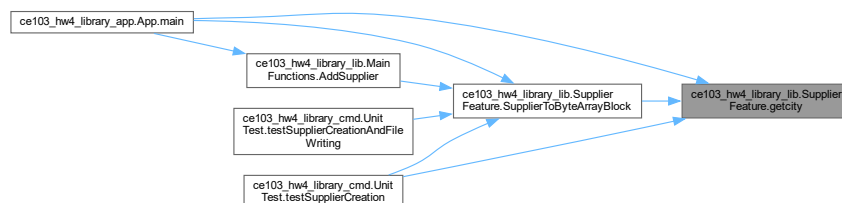
5.8.1.3 getcity()

```
final String ce103_hw4_library_lib.SupplierFeature.getcity ( )
```

References [ce103_hw4_library_lib.SupplierFeature._city](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



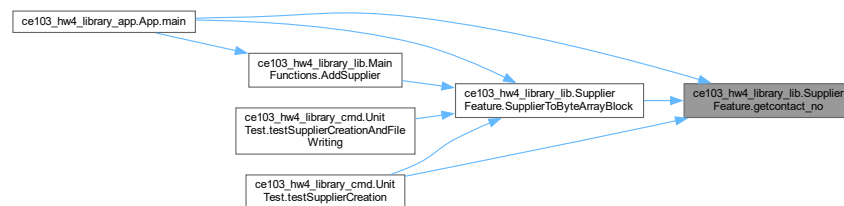
5.8.1.4 getcontact_no()

```
final int ce103_hw4_library_lib.SupplierFeature.getcontact_no ( )
```

References [ce103_hw4_library_lib.SupplierFeature._contact_no](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



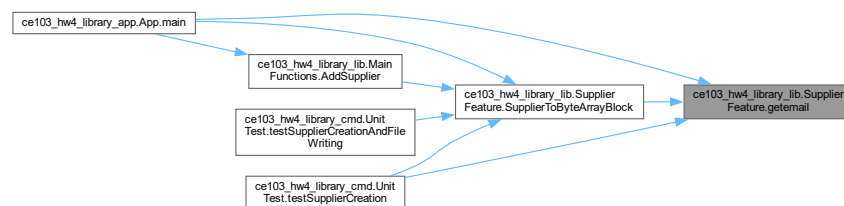
5.8.1.5 getemail()

```
final String ce103_hw4_library_lib.SupplierFeature.getemail ( )
```

References [ce103_hw4_library_lib.SupplierFeature._email](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



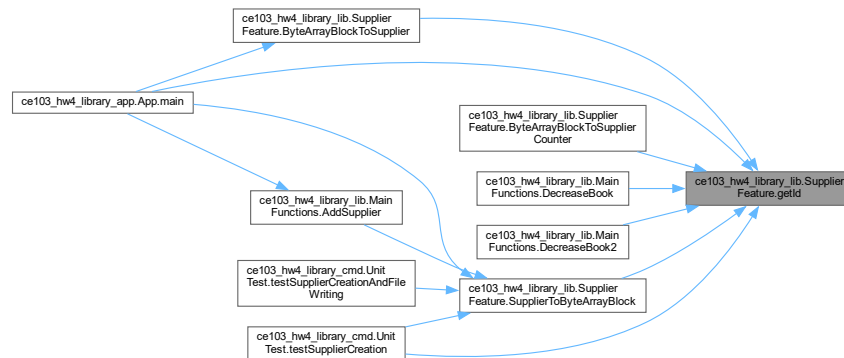
5.8.1.6 getId()

```
final int ce103_hw4_library_lib.SupplierFeature.getId ( )
```

References [ce103_hw4_library_lib.SupplierFeature._id](#).

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



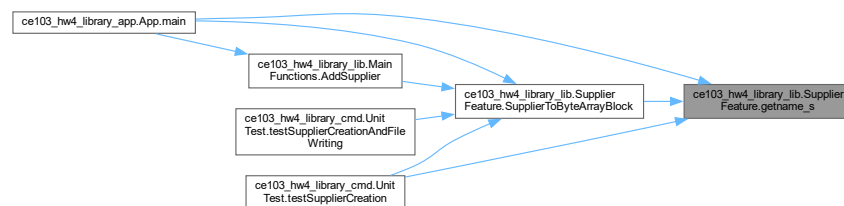
5.8.1.7 getName_s()

```
final String ce103_hw4_library_lib.SupplierFeature.getName_s ( )
```

References [ce103_hw4_library_lib.SupplierFeature._name_s](#).

Referenced by [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#).

Here is the caller graph for this function:



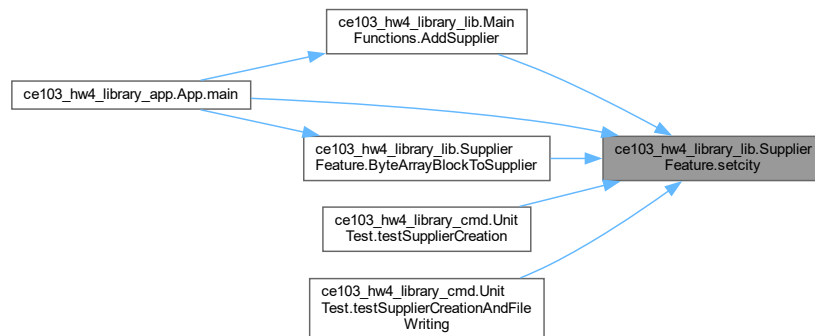
5.8.1.8 setcity()

```
final void ce103_hw4_library_lib.SupplierFeature.setcity (
    String value )
```

References [ce103_hw4_library_lib.SupplierFeature._city](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



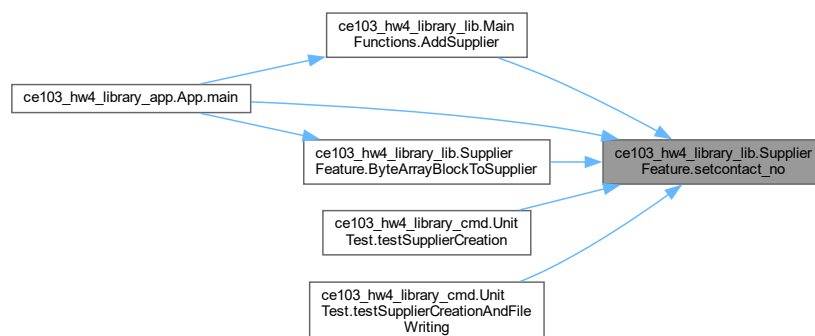
5.8.1.9 setcontact_no()

```
final void ce103_hw4_library_lib.SupplierFeature.setcontact_no (
    int value )
```

References [ce103_hw4_library_lib.SupplierFeature._contact_no](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



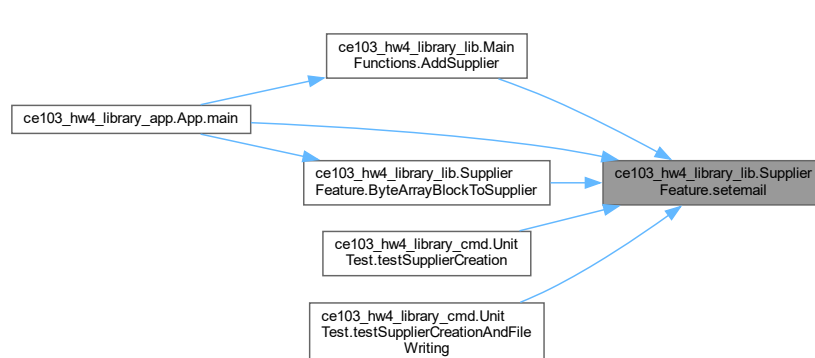
5.8.1.10 setemail()

```
final void ce103_hw4_library_lib.SupplierFeature.setemail (
    String value )
```

References [ce103_hw4_library_lib.SupplierFeature._email](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



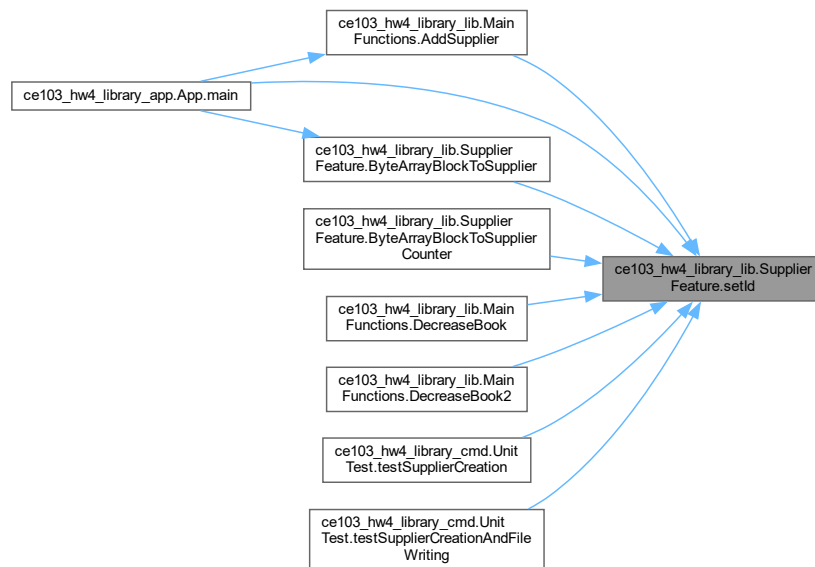
5.8.1.11 setId()

```
final void ce103_hw4_library_lib.SupplierFeature.setId (
    int value )
```

References [ce103_hw4_library_lib.SupplierFeature._id](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplierCounter\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook\(\)](#), [ce103_hw4_library_lib.MainFunctions.DecreaseBook2\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



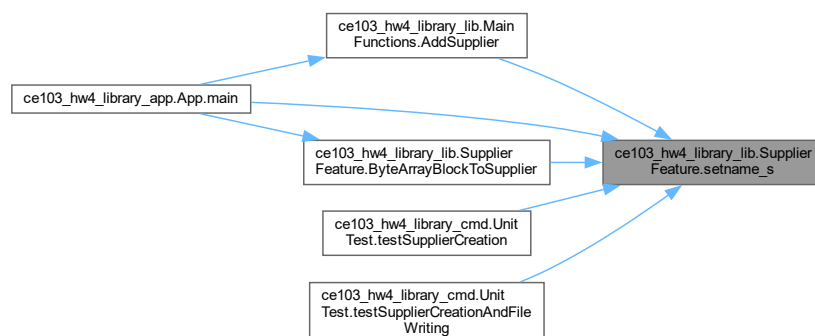
5.8.1.12 setname_s()

```
final void ce103_hw4_library_lib.SupplierFeature.setname_s (
    String value )
```

References [ce103_hw4_library_lib.SupplierFeature._name_s](#).

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#).

Here is the caller graph for this function:



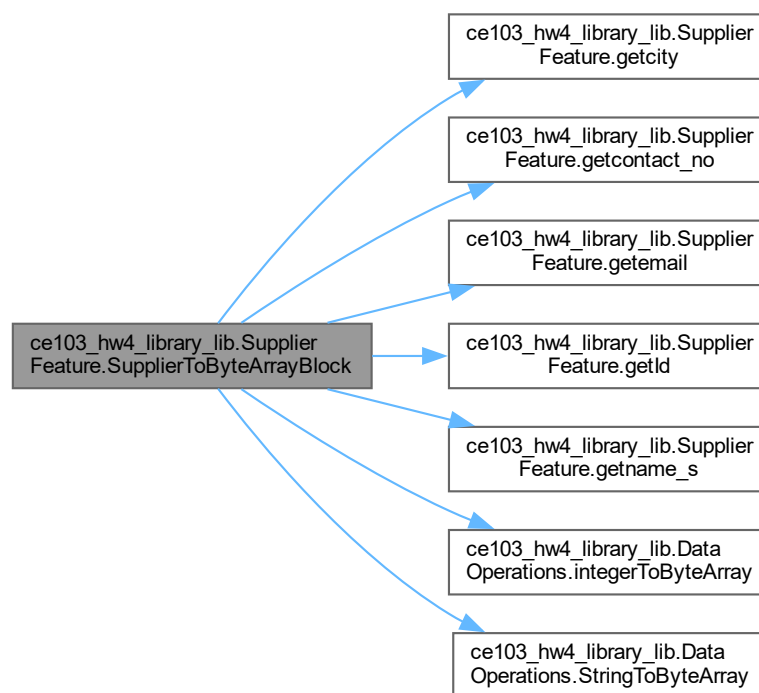
5.8.1.13 SupplierToByteArrayBlock()

```
static byte[] ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock (
    SupplierFeature Supplier ) [static]
```

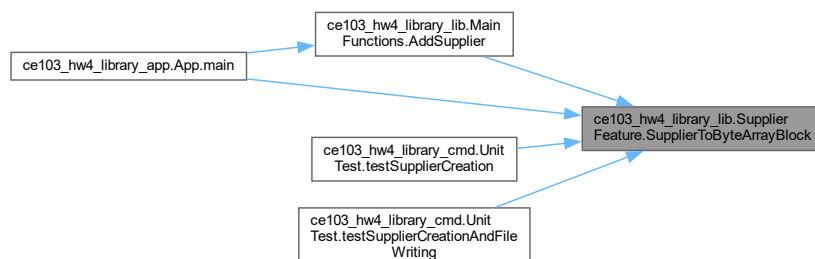
References [ce103_hw4_library_lib.SupplierFeature.city_MAX_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.contact_no_NAME](#), [ce103_hw4_library_lib.SupplierFeature.email_NAME_MAX_LENGTH](#), [ce103_hw4_library_lib.SupplierFeature.getcity\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getcontact_no\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getemail\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), [ce103_hw4_library_lib.SupplierFeature.getname_s\(\)](#), [ce103_hw4_library_lib.SupplierFeature.name_s_MAX_LENGTH](#), [ce103_hw4_library_lib.DataOperations.integerToByteArray\(\)](#), [ce103_hw4_library_lib.SupplierFeature.name_s_MAX_LENGTH](#), [ce103_hw4_library_lib.DataOperations.StringToByteArray\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.Supplier_DATA_BLOCK_SIZE](#)

Referenced by [ce103_hw4_library_lib.MainFunctions.AddSupplier\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), [ce103_hw4_library_cmd.UnitTest.testSupplierCreation\(\)](#), and [ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting\(\)](#)

Here is the call graph for this function:



Here is the caller graph for this function:



5.8.2 Member Data Documentation

5.8.2.1 `_city`

```
String ce103_hw4_library_lib.SupplierFeature._city [private]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.getcity\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setcity\(\)](#).

5.8.2.2 `_contact_no`

```
int ce103_hw4_library_lib.SupplierFeature._contact_no [private]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.getcontact_no\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setcontact_no\(\)](#).

5.8.2.3 `_email`

```
String ce103_hw4_library_lib.SupplierFeature._email [private]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.getemail\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setemail\(\)](#).

5.8.2.4 `_id`

```
int ce103_hw4_library_lib.SupplierFeature._id [private]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.getId\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setId\(\)](#).

5.8.2.5 `_name_s`

```
String ce103_hw4_library_lib.SupplierFeature._name_s [private]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.getname_s\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.setname_s\(\)](#).

5.8.2.6 Borrow_Data_Block_Size

```
final int ce103_hw4_library_lib.SupplierFeature.Borrow_Data_Block_Size = Name_Lenght + Return_Date_Lenght  
+ Date_Lenght + ID_LENGTH [static]
```

5.8.2.7 city_MAX_LENGTH

```
final int ce103_hw4_library_lib.SupplierFeature.city_MAX_LENGTH = 50 [static]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.Supp](#)

5.8.2.8 contact_no_NAME_MAX_LENGTH

```
final int ce103_hw4_library_lib.SupplierFeature.contact_no_NAME_MAX_LENGTH = 20 [static]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.Supp](#)

5.8.2.9 Date_Lenght

```
final int ce103_hw4_library_lib.SupplierFeature.Date_Lenght = 30 [static]
```

5.8.2.10 email_NAME_MAX_LENGTH

```
final int ce103_hw4_library_lib.SupplierFeature.email_NAME_MAX_LENGTH = 50 [static]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.Supp](#)

5.8.2.11 ID_LENGTH

```
final int ce103_hw4_library_lib.SupplierFeature.ID_LENGTH = 4 [static]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), [ce103_hw4_library_lib.SupplierFeature.ByteArray](#)
and [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#).

5.8.2.12 Name_Lenght

```
final int ce103_hw4_library_lib.SupplierFeature.Name_Lenght = 30 [static]
```

5.8.2.13 name_s_MAX_LENGTH

```
final int ce103_hw4_library_lib.SupplierFeature.name_s_MAX_LENGTH = 50 [static]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.Supp](#)

5.8.2.14 Return_Date_Lenght

```
final int ce103_hw4_library_lib.SupplierFeature.Return_Date_Lenght = 20 [static]
```

5.8.2.15 Supplier_DATA_BLOCK_SIZE

```
final int ce103_hw4_library_lib.SupplierFeature.Supplier_DATA_BLOCK_SIZE = ID_LENGTH + city_MAX_LENGTH  
+ contact_no_NAME_MAX_LENGTH + name_s_MAX_LENGTH + email_NAME_MAX_LENGTH [static]
```

Referenced by [ce103_hw4_library_lib.SupplierFeature.ByteArrayBlockToSupplier\(\)](#), [ce103_hw4_library_app.App.main\(\)](#), and [ce103_hw4_library_lib.SupplierFeature.SupplierToByteArrayBlock\(\)](#).

The documentation for this class was generated from the following file:

- C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_↵
lib/[SupplierFeature.java](#)

5.9 ce103_hw4_library_cmd.UnitTest Class Reference

Public Member Functions

- void [testSupplierCreationAndFileWriting](#) () throws IOException
- void [testSupplierCreation](#) () throws IOException
- void [testGetInt](#) ()
- void [testSetAndGetId](#) ()
- void [testSetAndGetName](#) ()

5.9.1 Member Function Documentation

5.9.1.1 testGetInt()

```
void ce103_hw4_library_cmd.UnitTest.testGetInt ( )
```

References [ce103_hw4_library_lib.DataOperations.GetInt\(\)](#).

Here is the call graph for this function:

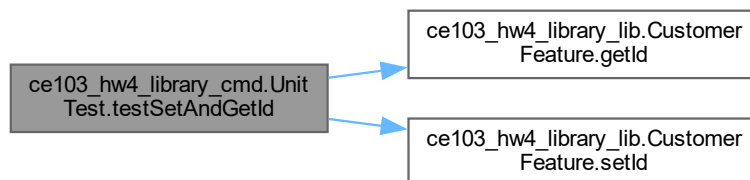


5.9.1.2 testSetAndGetId()

```
void ce103_hw4_library_cmd.UnitTest.testSetAndGetId ( )
```

References [ce103_hw4_library_lib.CustomerFeature.getId\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#).

Here is the call graph for this function:

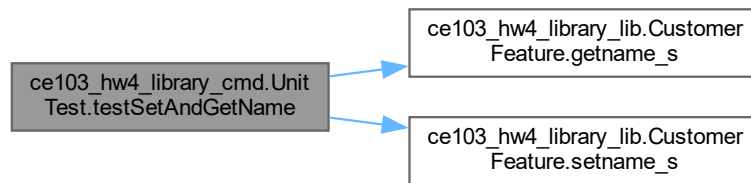


5.9.1.3 testSetAndGetName()

```
void ce103_hw4_library_cmd.UnitTest.testSetAndGetName ( )
```

References [ce103_hw4_library_lib.CustomerFeature.getname_s\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setname_s\(\)](#).

Here is the call graph for this function:

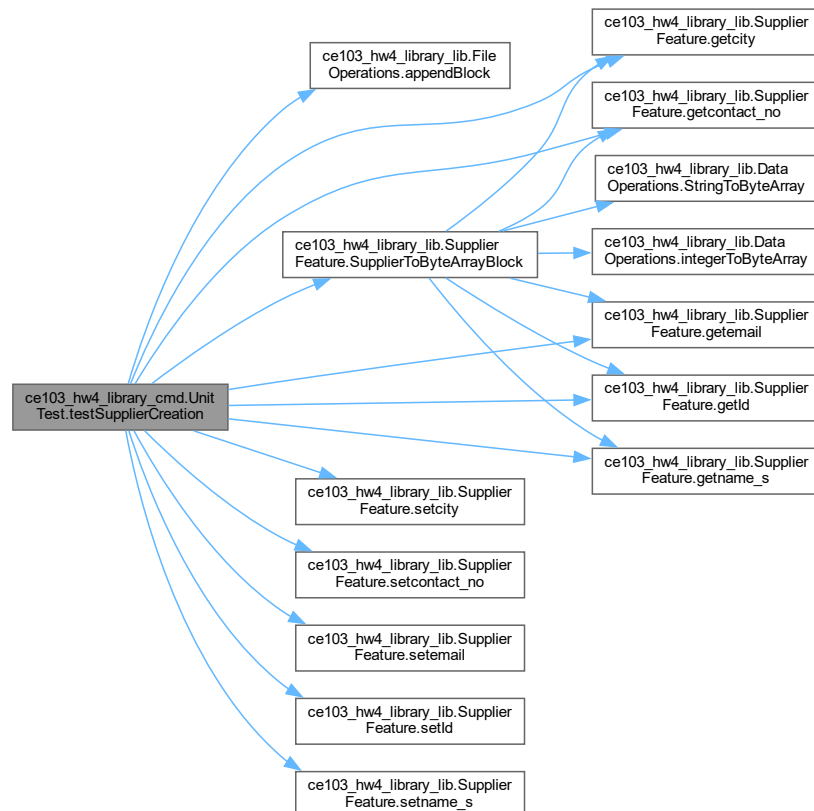


5.9.1.4 testSupplierCreation()

`void ce103_hw4_library_cmd.UnitTest.testSupplierCreation () throws IOException`

References `ce103_hw4_library_lib.FileOperations.appendBlock()`, `ce103_hw4_library_lib.SupplierFeature.getcity()`, `ce103_hw4_library_lib.SupplierFeature.getcontact_no()`, `ce103_hw4_library_lib.SupplierFeature.getemail()`, `ce103_hw4_library_lib.SupplierFeature.getId()`, `ce103_hw4_library_lib.SupplierFeature.getname_s()`, `ce103_hw4_library_lib.SupplierFeature.setcontact_no()`, `ce103_hw4_library_lib.SupplierFeature.setemail()`, `ce103_hw4_library_lib.SupplierFeature.setId()`, `ce103_hw4_library_lib.SupplierFeature.setname_s()`, and `ce103_hw4_library_lib.SupplierFeature.setcity()`.

Here is the call graph for this function:

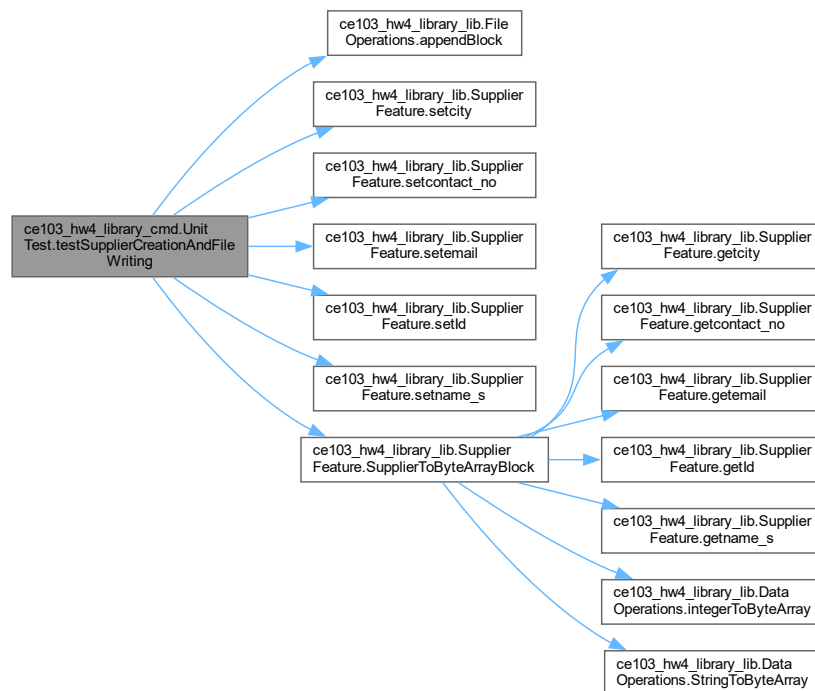


5.9.1.5 testSupplierCreationAndFileWriting()

`void ce103_hw4_library_cmd.UnitTest.testSupplierCreationAndFileWriting () throws IOException`

References [ce103_hw4_library_lib.FileOperations.appendBlock\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcity\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setemail\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setld\(\)](#), [ce103_hw4_library_lib.SupplierFeature.setname_s\(\)](#), and [ce103_hw4_library_lib.Su](#)

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- [C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_cmd/UnitTest.java](#)

5.10 ce103_hw4_library_lib.UnitTest Class Reference

Public Member Functions

- void [testControlFile](#) () throws IOException
- void [testPrintCustomers](#) () throws IOException
- void [testMedicineToByteArrayBlock](#) ()
- void [testAddSaleMedicine2](#) () throws IOException
- void [testCustomerAddition](#) () throws IOException
- void [testCustomerUpdate](#) () throws IOException

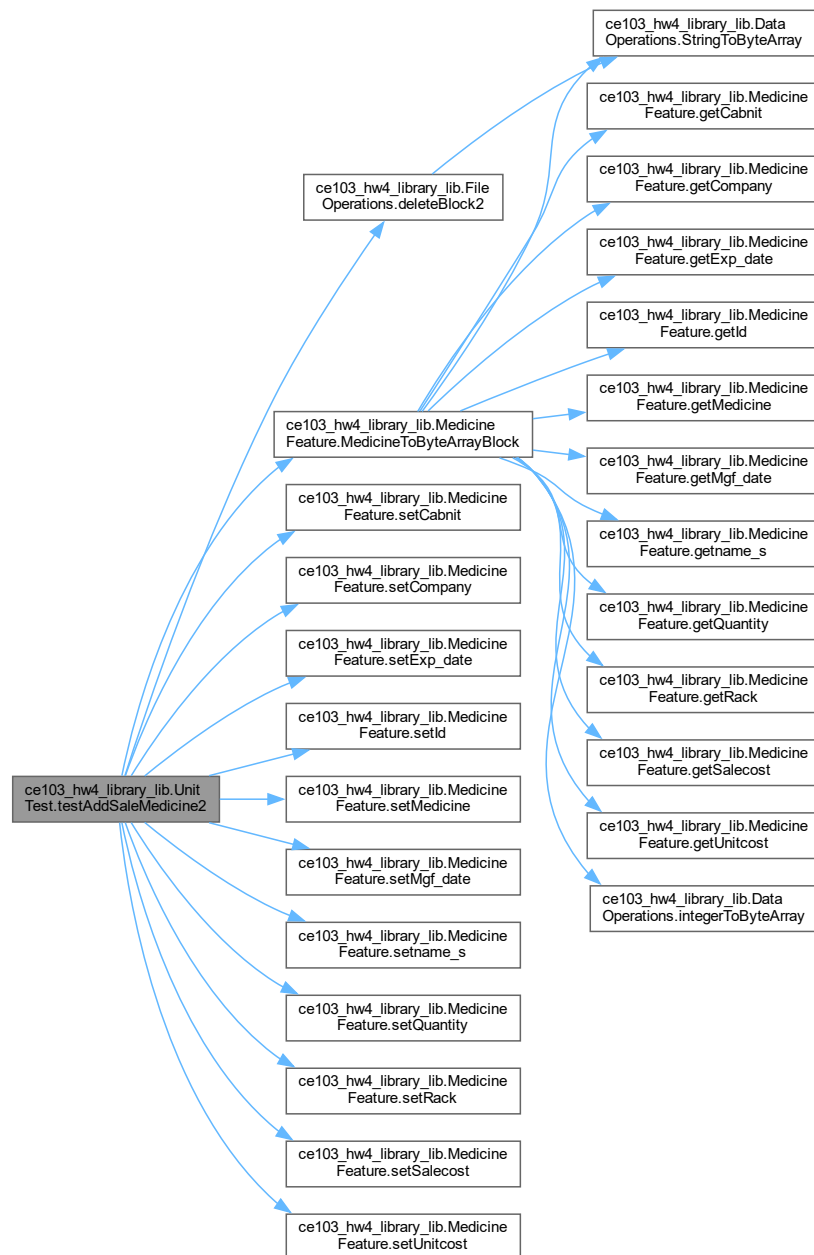
5.10.1 Member Function Documentation

5.10.1.1 testAddSaleMedicine2()

`void ce103_hw4_library_lib.UnitTest.testAddSaleMedicine2 () throws IOException`

References [ce103_hw4_library_lib.FileOperations.deleteBlock2\(\)](#), [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock2\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setCabnit\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setCompany\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setExp_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setMgf_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setQuantity\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setRack\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setUnitcost\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setUnitcost\(\)](#).

Here is the call graph for this function:

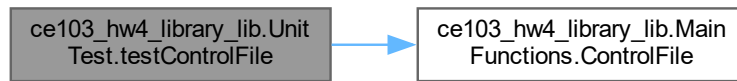


5.10.1.2 testControlFile()

```
void ce103_hw4_library_lib.UnitTest.testControlFile ( ) throws IOException
```

References [ce103_hw4_library_lib.MainFunctions.ControlFile\(\)](#).

Here is the call graph for this function:

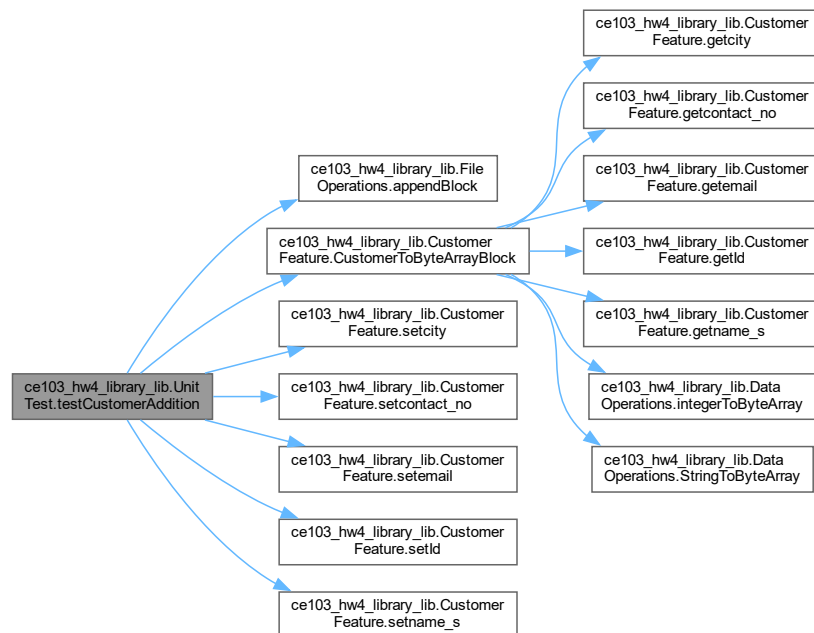


5.10.1.3 testCustomerAddition()

`void ce103_hw4_library_lib.UnitTest.testCustomerAddition () throws IOException`

References [ce103_hw4_library_lib.FileOperations.appendBlock\(\)](#), [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock](#), [ce103_hw4_library_lib.CustomerFeature.setcity\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setemail\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setld\(\)](#), and [ce103_hw4_library_lib.CustomerFeature.setname_s\(\)](#).

Here is the call graph for this function:

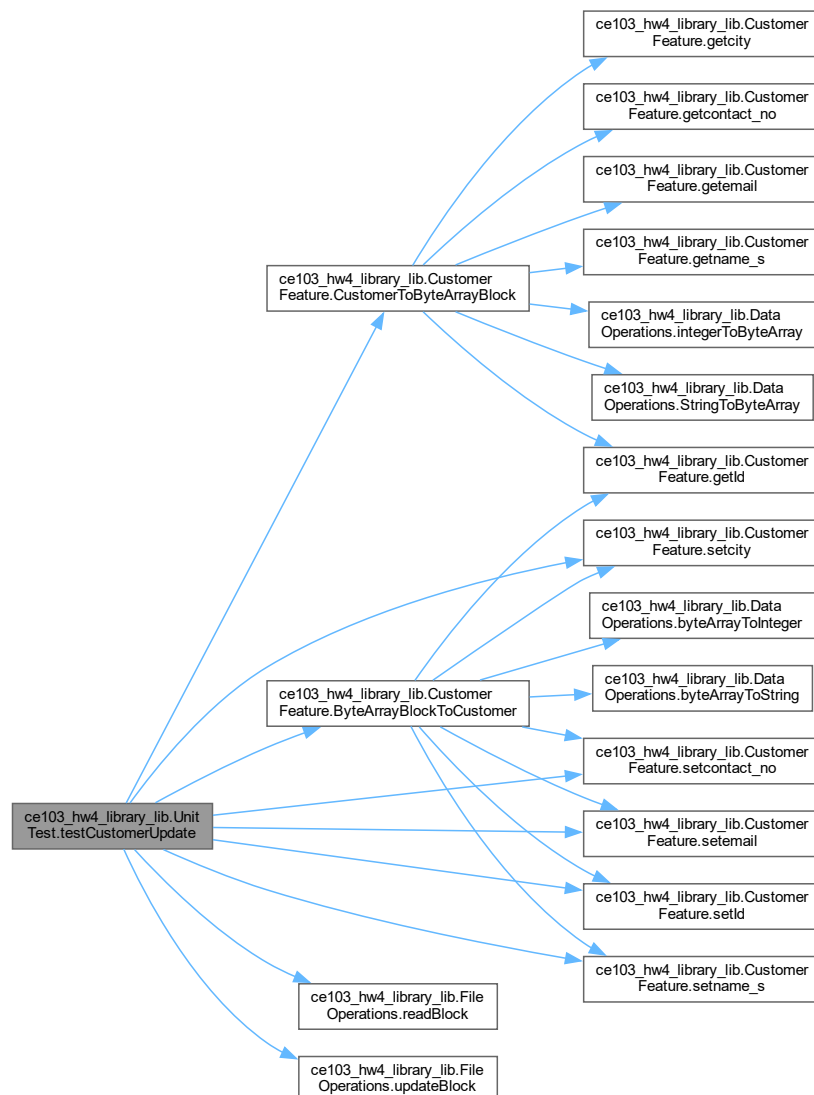


5.10.1.4 testCustomerUpdate()

```
void ce103_hw4_library_lib.UnitTest.testCustomerUpdate ( ) throws IOException
```

References [ce103_hw4_library_lib.CustomerFeature.ByteArrayBlockToCustomer\(\)](#), [ce103_hw4_library_lib.CustomerFeature.CustomerToByteArrayBlock\(\)](#), [ce103_hw4_library_lib.FileOperations.readBlock\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcity\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcontact_no\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setemail\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setid\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setname_s\(\)](#) and [ce103_hw4_library_lib.FileOperations.updateBlock\(\)](#).

Here is the call graph for this function:

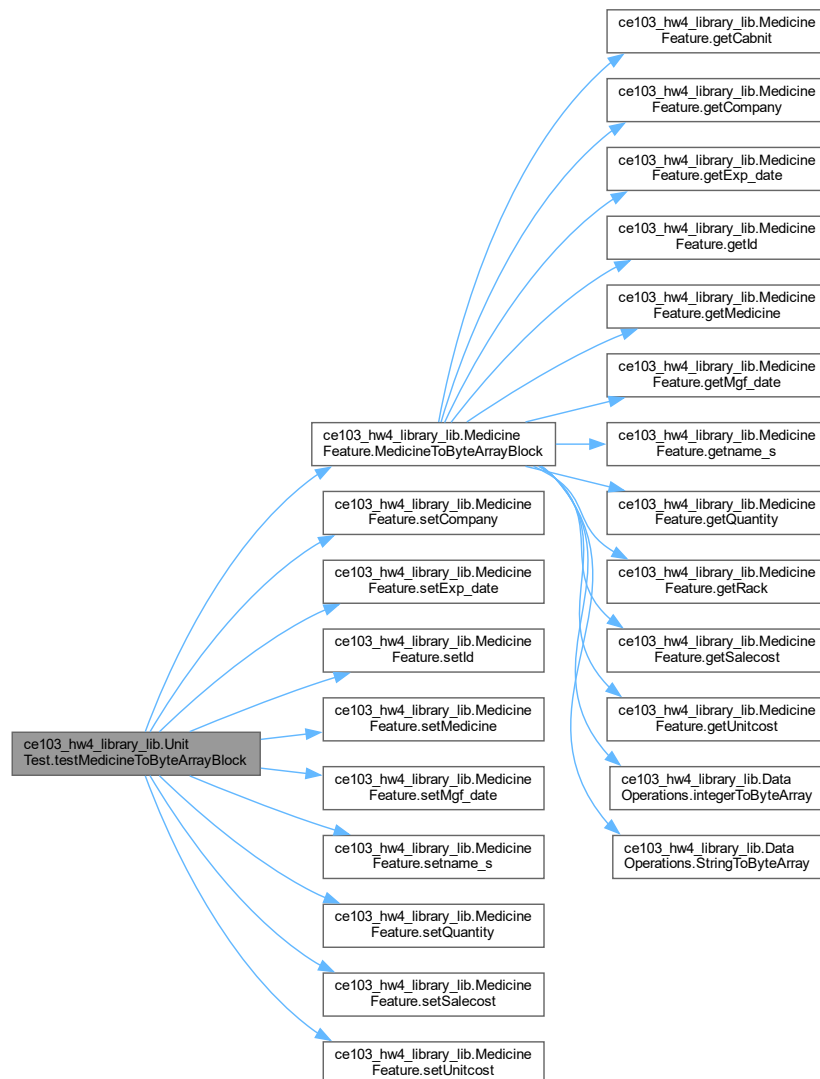


5.10.1.5 testMedicineToByteArrayBlock()

```
void ce103_hw4_library_lib.UnitTest.testMedicineToByteArrayBlock ( )
```

References [ce103_hw4_library_lib.MedicineFeature.MedicineToByteArrayBlock\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setCompany\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setExp_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setId\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setMgf_date\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setname_s\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setQuantity\(\)](#), [ce103_hw4_library_lib.MedicineFeature.setSalecost\(\)](#), and [ce103_hw4_library_lib.MedicineFeature.setUnitcost\(\)](#).

Here is the call graph for this function:

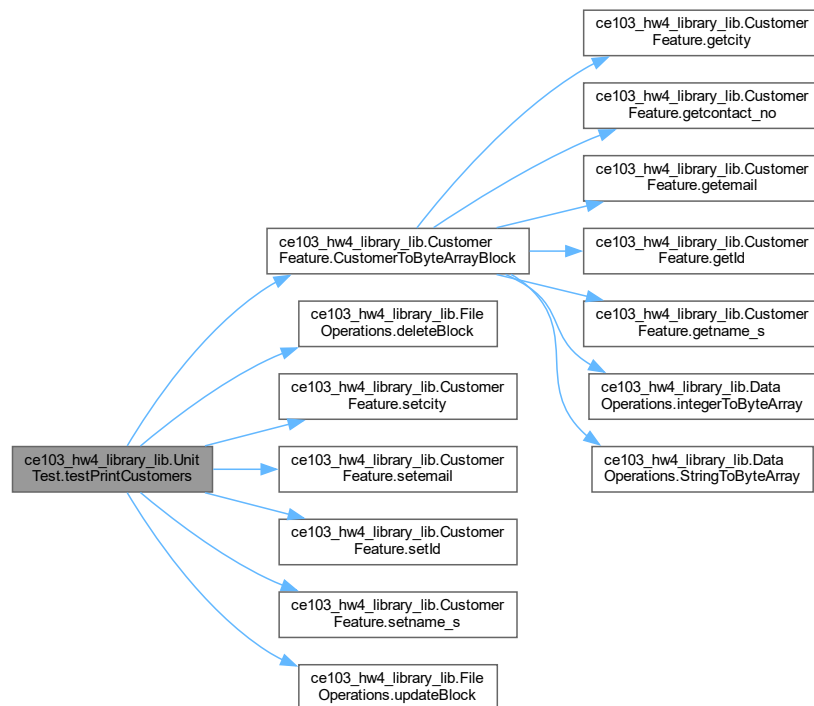


5.10.1.6 testPrintCustomers()

```
void ce103_hw4_library_lib.UnitTest.testPrintCustomers ( ) throws IOException
```

References [ce103_hw4_library_lib.CustomerFeature.Customer_DATA_BLOCK_SIZE](#), [ce103_hw4_library_lib.CustomerFeature.Custo](#), [ce103_hw4_library_lib.FileOperations.deleteBlock\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setcity\(\)](#), [ce103_hw4_library_lib.Custo](#), [ce103_hw4_library_lib.CustomerFeature.setId\(\)](#), [ce103_hw4_library_lib.CustomerFeature.setname_s\(\)](#), and [ce103_hw4_library_lib.FileOperations.updateBlock\(\)](#).

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- [C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/UnitTest.java](#)

Chapter 6

File Documentation

6.1 C:/Users/Gokay/Desktop/newww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_app/App.java File Reference

Classes

- class [ce103_hw4_library_app.App](#)

Packages

- package [ce103_hw4_library_app](#)

6.2 C:/Users/Gokay/Desktop/newww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_cmd/Unit↵ Test.java File Reference

Classes

- class [ce103_hw4_library_cmd.UnitTest](#)

Packages

- package [ce103_hw4_library_cmd](#)

6.3 C:/Users/Gokay/Desktop/newww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/Unit↵ Test.java File Reference

Classes

- class [ce103_hw4_library_lib.UnitTest](#)

Packages

- package [ce103_hw4_library_lib](#)

6.4 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/CustomerFeature.java File Reference ↩

Classes

- class [ce103_hw4_library_lib.CustomerFeature](#)

Packages

- package [ce103_hw4_library_lib](#)

6.5 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/DataOperations.java File Reference ↩

Classes

- class [ce103_hw4_library_lib.DataOperations](#)

Packages

- package [ce103_hw4_library_lib](#)

6.6 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/FileOperations.java File Reference ↩

Classes

- class [ce103_hw4_library_lib.FileOperations](#)

Packages

- package [ce103_hw4_library_lib](#)

6.7 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/MainFunctions.java File Reference

Classes

- class [ce103_hw4_library_lib.MainFunctions](#)

Packages

- package [ce103_hw4_library_lib](#)

6.8 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/MedicineFeature.java File Reference

Classes

- class [ce103_hw4_library_lib.MedicineFeature](#)

Packages

- package [ce103_hw4_library_lib](#)

6.9 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/SaleMedicineFeature.java File Reference

Classes

- class [ce103_hw4_library_lib.SaleMedicineFeature](#)

Packages

- package [ce103_hw4_library_lib](#)

6.10 C:/Users/Gokay/Desktop/newwww/ce103-hw4-gokay-dervisoglu/medical_store/ce103_hw4_medical_store_lib/SupplierFeature.java File Reference

Classes

- class [ce103_hw4_library_lib.SupplierFeature](#)

Packages

- package [ce103_hw4_library_lib](#)

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