@@Define class PersonalInfo with the fallowing data members:

* Name
* Id
* Phone number
* Email address

@@Define class – BankAccount with the fallowing functions:

* Withdraw
* Deposit
* \_\_str\_\_

And fallowing data-members:

* PersonalInfo
* Balance

Withdraw and Deposit operations has commotions (some amount of money that will be withdraw from the balance)

@@Define StudentBankAccount with extra data member – college\_name, which will be shown in \_\_str\_\_ method. Student can’t have negative balance

Define BusinessBankAccount with extra data member– business\_info (different class with information/details about the business). Commotions will be 150% for Withdraw and Deposit operations of BusinessBankAccount related to BankAccount’s commotions

The program will receive an xml file (DB) with system init information as script argument

*myScript.py ”C:\XXX\YYY\init.xml*

**(xml.etree.ElementTree/xml.dom.minidom modules, os and sys modules)**

Define Bank class as a container to hold all the clients with the fallowing functions:

* load\_and\_parse\_init\_data
* add\_new\_account
* delete\_by\_userID
* Withdraw by user id – finds the client account by id and updates the balance for this client
* Deposit by user id – finds the client account by id and updates the balance for this client
* \_\_str\_\_ (returns a string with information about all already added clients – use a join method of string for start strings cancatinations)
* calc\_balance\_statistics – this function returns the average, the median, 90th percentile and 10th percentile of balances of all already added clients of the bank

You may use all the standard python libraries

*init.xml example:*

*<accounts>*

*<account="StudentBankAccount">*

*<personalInfo>*

*<name>Katia Barak</name>*

*<id>1234567</id>*

*<phone>0523-555444</phone>*

*<email>katiab@sela.co.il</email>*

*</personalInfo>*

*<college>Sela</college>*

*</account>*

*<account="BankAccount">*

*<personalInfo>*

*<name>Tal Cohen</name>*

*<id>22334455</id>*

*<phone>0546-222333</phone>*

*<email>talc@gamil.com</email>*

*</personalInfo>*

*</account>*

*….*

*</accounts>*