Strayer University

**Financial Portfolio**

Week 6

**Assignment 1**

for the

Course of

### Java programming 1

.11/13/17

By

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**Financial Portfolio.**

**The assignment was about the** composition class called **Financial Portfolio. It has the following classes,** savings which has an account class called Savings Account with the following public attributes: an account number, and an account balance. Then, the bonds class which has a class called Bonds with the following public attributes: bond name, face and number of bonds. And lastly the stock class which include a stocks class called Stocks with the following public attributes: stock name, stock value and number of shares. **The attributes are stored in the following variables,**

* double totalValue;
* int portfolioNumber;
* String firstName;
* String lastName;
* double accountBalance;
* String accountNumber;
* String bondName;
* double faceValue;
* int numberOfBonds;
* String stockName;
* double stockValue ;
* int numberOfShares;

Then the user can enter the information which will be prompted by the following, System.out.print("Enter the portfolio number >>"); which put the input into the following variable: portfolioNumber = input.nextInt(). Then the same steps are done for the rest of the following;

* System.out.print("Enter account Balance >>");
  + accountBalance = input.nextDouble();
* System.out.print("Enter account Number >>");
  + accountNumber = input.nextLine();
* System.out.println("Enter client’s first name >>");
  + firstName = input.nextLine();
* System.out.print("Enter client’s Last name >>");
  + lastName = input.nextLine();
* System.out.print("Enter account Balance >>");
  + - accountBalance = input.nextDouble();
* System.out.print("Enter face value >>$");
  + - faceValue = input.nextDouble();
* System.out.print("Enter the number of bonds >>");
  + numberOfBonds = input.nextInt();
* System.out.print("Enter bond name >>");
  + bondName = input.nextLine();
* System.out.print("Enter stock value >>$");
  + stockValue = input.nextDouble();
* System.out.print("Enter number of Shares >>");
  + numberOfShares = input.nextInt();
* System.out.print("Enter stock name >>");
  + stockName = input.nextLine();

The data will be stored in the above variables. The following method will be compute,

1. computeSavingsAccount(totalValue, accountBalance, accountNumber, firstName);
2. computeBonds(totalValue, faceValue, numberOfBonds, bondName);
3. computeStocks(totalValue, stockName, numberOfShares, stockValue);

When the program runs, it prompts the advisor to enter the financial portfolio data, savings account data, stocks data, and bonds data. Then it computes the total value of the portfolio for each asset which are savings account, stocks, and bonds.

After everything is done, the results will be display at the end of the program after doing the calculation based on the instruction which are in the method of the programs. And the output is displayed in the screen shot below.

