ErrorLogs - MySavings[Mastery]

NO ERRORS!

```java
package Mastery;

import java.util.Scanner;

public class MySavings {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        // import for user input

        PiggyBank piggy = new PiggyBank(); //variable name linking to other class

        int user_choice;

        do { //do while loop to excute this

            System.out.println("1. Show total in bank");
            System.out.println("2. Add a penny");
            System.out.println("3. Add a nickel");
            System.out.println("4. Add a dime");
            System.out.println("5. Add a quarter");
            System.out.println("6. Take all money out");
            System.out.println("0. to quit");
            System.out.println("Enter your choice: ");
            System.out.println("");

            user_choice = input.nextInt();

            switch (user_choice) {

            case 1:
                piggy.showTotal(); //show user total
                break;

            case 2:
                piggy.plusPenny();
                System.out.println("Add a penny.");  //add to bank account
                break;

            case 3:
```

```java
Program: PiggyBank.java          Date: November 20th, 2024

package Mastery;

public class PiggyBank {

    private int penny;
    private int dimes;
    private int nickels;
    private int quarters; //declare penny, dimes, nickels, and quarters variabl


    public PiggyBank() { //Object piggybank

        penny = 0;
        nickels = 0;
        dimes = 0;
        quarters = 0;

    }

    public void plusPenny() { //constructor method for penny
        penny++;

    }

    public void plusNickel() { //constructor method for nickels
        nickels++;

    }

    public void plusDime() { //constructor method for dimes
        dimes++;

    }

    public void plusQuarter() { //constructor method for quarters
        quarters++;

    }

    public void takeAllMoneyOut() { //if user chooses to take out all money, th
```

```
    case 3:
        piggy.plusNickel(); //add to bank account
        System.out.println("Add a nickel.");
        break;

    case 4:
        piggy.plusDime();
        System.out.println("Add a dime.");  //add to bank account
        break;

    case 5:
        piggy.plusQuarter();
        System.out.println("Add a quarter");  //add to bank account
        break;

    case 6:
        piggy.takeAllMoneyOut(); //make total money = 0
        break;

    case 0:
        System.out.print("Ok, Bye."); //end code
        input.close(); //close the scanner
        break;

    default:
        System.out.println("That wasn't an option, try again!"); //make sure user enters valid option


    }
} while (user_choice != 0); //while loop to make sure user_choice isn't 0, and if it is, the code won't run again
```

```
 public void takeAllMoneyOut() { //if user chooses to take out all money, then each variable becomes 0. L
     penny = 0;
     nickels = 0;
     dimes = 0;
     quarters = 0;
 }

 public double gTotal () { //constructor method to properly calculate the total amount of money

     return (penny * 0.01) + (nickels * 0.05) + (dimes * 0.10) + (quarters * 0.25);

 }

 public void  showTotal() {
     System.out.printf("Your total in the Bank is: $%.2f\n", gTotal()); //print total
 }




 }
```