Credit Name: CSE 3120 Object-Oriented Programming 1
Assignment Name: MvSavings

Decribe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

```
public double total() { //total $ sum double total() { //total $ sum such (choice) } 

1. Show total in bank. 2. Add a penny. 3. Add a nickel. 4. Add a dime. 5. Add a quarter. 6. Take money out of tenter 0 to quit applic
```

case 1: spot.total();

```
2. Add a penny.
3. Add a nickel.
4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application
Please enter your choice to continue:
```

When attempting to display the total sum to user, forgot to use a print-statement to send the output to the screen.

```
1. Show total in bank.
2. Add a penny.
3. Add a nickel.
4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application
Please enter your choice to continue:
1
Your total amount in the bank is: 0.0

switch(choice) {
case : System.out.print("Your total amount in the bank is: " + spot.total());
```

Fixed by including a print statement to send output out to user.

```
Welcome to the MySavings Application.

1. Show total in bank.
2. Add a penny.
3. Add a nickel.
4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application

Please enter your choice to continue: 2

Successfully added penny

1. Show total in bank.
2. Add a penny.
3. Add a nickel.
4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application

Please enter your choice to continue: 1

Your total amount in the bank is: $0.0
Pennies: 0.0 Nickels: 0.0 Dimes: 0.0 Quarters: 0.0

1. Show total in bank.
2. Add a penny.
3. Add a nickel.
4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application
```

When made to add a penny into bank, the penny was not being added and the amount remained at 0.

//Add a Dime to the PiggyBank
case 4: ppt; addDime();
System.our,println("Successfully added Dime"); break;

```
//Great user
//Great user
//System.out.println("Welcome to the MySavings Application.");
//Freaping for user input + format decimal variables
Scanner input = sew Scanner(System.de);
//Freaping has been as the sew Scanner input = sew Scanner input
```

```
Welcome to the MySavings Application.
1. Show total in bank.
2. Add a penny.
3. Add a nickel.
4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application
 Please enter your choice to continue: 2
 Successfully added penny
   Show total in bank.
2. Add a penny.

    Add a nickel.
    Add a dime.

5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application
 Please enter your choice to continue: 1
 Your total amount in the bank is: $00.01
 Pennies: 1.0 Nickels: 0.0 Dimes: 0.0 Ouarters: 0.0
   Show total in bank.

    Add a penny.
    Add a nickel.

4. Add a dime.
5. Add a quarter.
6. Take money out of the bank.
Enter 0 to quit application
 Please enter your choice to continue:
```

Fixed by moving the creation of the piggybank object to outside of the while loop. This way, it only creates the object once; not overwriting it and setting the pennies back to 0 everytime.