Credit Name: CSE 2110 Procedural Programming 1

Assignment Name: AddCoins

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

```
Welcome to the AddCoins program!

Enter your total coins...
Quarters: 2
Dimes: |
1
Nickels:
1
Pennies:
2

Your total dollar amount is: $67.0
```

```java
double total = ((p*1)+(n*5)+(d*10)+(q*25));
return ("$" + Double.toString(total));
```

Multiplied by whole number values of coins, instead of decimal values.

```
Welcome to the AddCoins program!

Enter your total coins...
Quarters: 2
Dimes:
1
Nickels:
1
Pennies:
2

Your total dollar amount is: $0.67
```

```java
double total = ((p * 0.01)+(n * 0.05)+(d * 0.1)+(q * 0.25));
return ("$" + Double.toString(total));
```

Fixed by changing multiplying values to decimal numbers

```
Enter your total coins...
Quarters: 2
Dimes:
1
Nickels:
1
Pennies:
2
```

```java
System.out.print("Quarters: ");
q = input.nextInt();

System.out.println("Dimes: ");
d = input.nextInt();

System.out.println("Nickels: ");
n = input.nextInt();

System.out.println("Pennies: ");
p = input.nextInt();
```

Spacing error. Lines for user input are not equal for all coin types.

```
Welcome to the AddCoins program!

Enter your total coins...

Quarters: 4
Dimes: 8
Nickels: 3
Pennies: 1
|
Your total dollar amount is: $1.96
```

```java
//Prompt user for number and record user input
System.out.println("Enter your total coins... ");
System.out.println("");

System.out.print("Quarters: ");
q = input.nextInt();

System.out.print("Dimes: ");
d = input.nextInt();

System.out.print("Nickels: ");
n = input.nextInt();

System.out.print("Pennies: ");
p = input.nextInt();

System.out.println("");
System.out.println("Your total dollar amount is: " + getDollarAmount(p,n,d,q));
```

Fixed by removing all "ln" in print statements for userinput.