

Credit Name:

Assignment Name: Ch3 portfolio

## Error Log Entry

What error message did you encounter (if any)?

Unsolved Compilation problem, Cannot invoke format {double} on the primitive type double

What unexpected behavior did your program exhibit?

It wrote all the output stuff on one line.

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

Incorrect function usage and syntax error (I capital I for int)

Include a screenshot of specific lines of code.

How did you fix the issue?

By searching online and asking AI for suggest.

Provide the corrected code or solution using a screenshot.

## EXERCISE 12:

The screenshot shows the Eclipse IDE interface. On the left, the code editor displays `Election.java` with the following content:

```
18     double clothingf = userInput.nextInt();
19
20     System.out.println("Entertainment: ");
21     double entertainmentf = userInput.nextInt();
22
23     System.out.println("Rent: ");
24     double rentf = userInput.nextInt();
25
26
27
28
29     double tFee = rentf + entertainmentf + clothingf + foodf;
30
31
32     double foodpercent = (foodf*100)/tFee;
33     double clothingpercent = (clothingf*100)/tFee;
34     double entertainmentpercent = (entertainmentf*100)/tFee;
35     double rentpercent = (rentf*100)/tFee;
36
37
38     DecimalFormat foodpercentage = new DecimalFormat("#.00");
39     DecimalFormat clothingpercentage = new DecimalFormat("#.00");
40
41
42
43     System.out.print("Food: " + foodf);
44     System.out.print("Clothing: " + clothingf);
45     System.out.print("Entertainment: " + entertainmentf);
46     System.out.print("Rent: " + rentf);
47
48
49
50     System.out.print("\nThe percentage of these items ");
51
52     Cannot invoke format(double) on the primitive type double percent.format(foodpercent)) + "%");
53 }
54 }
55 }
56 }
57
58
59
60
61 }
```

In the code editor, line 52 is highlighted with a red underline and a tooltip: "Cannot invoke format(double) on the primitive type double percent.format(foodpercent)) + "%");".

On the right, the Outline view shows the class structure: `expencing` package, `Election` class, and `main(String[])` method.

At the bottom, the terminal window shows the error message:

```
<terminated> Election [Java Application] /Volumes/Eclipse/Eclipse.app/Contents/Eclipse/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.aarch64_21.0.8.v20250724-1412/re/bin/java [Sep 22, 2025, 8:14:19 p.m. - 8:14:22 p.m. elapsed: 0:00:02.338] [pid: 23456]
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
    Cannot invoke format(double) on the primitive type double
        at expencing/expencing.Election.main(Election.java:52)
```

Election.java

```
14     double clothingpercent = (clothingf*100)/tFee;
15     double entertainmentpercent = (entertainmentf*100)/tFee;
16     double rentpercent = (rentf*100)/tFee;
17
18
19     DecimalFormat foodpercentage = new DecimalFormat("#.00");
20
21     DecimalFormat clothingpercentage = new DecimalFormat("#.00");
22
23     DecimalFormat entertainmentpercentage = new DecimalFormat("#.00");
24
25     DecimalFormat rentpercentage = new DecimalFormat("#.00");
26
27
28     System.out.print("\nFood: $" + foodf);
29     System.out.print("\nFood: " + (foodpercentage.format(foodpercent)) + "%");
30
31     System.out.print();
32
33     System.out.print("\nClothing: $" + clothingf);
34     System.out.print("\nClothing: " + (clothingpercentage.format(clothingpercent)) + "%");
35
36     System.out.print();
37
38     System.out.print("\nEntertainment: $" + entertainmentf);
39     System.out.print("\nEntertainment: " + (entertainmentpercentage.format(entertainmentpercent)) + "%");
40
41     System.out.print();
42
43     System.out.print("\nRent: $" + rentf);
44     System.out.print("\nRent: " + (rentpercentage.format(rentpercent)) + "%");
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
```

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<terminated> Election [Java Application] /Volumes/Eclipse/Eclipse.app/Contents/Eclipse/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.aarch64\_21.0.8.v20250724-1412/jre/bin/java (Sep 22, 2025, 8:30:54 p.m. - 8:30:57 p.m. elapsed: 0:00:02.434) [pid: 23607]

Exception in thread "main" java.lang.Error: Unresolved compilation problems:  
The method print(boolean) in the type PrintStream is not applicable for the arguments ()  
The method print(boolean) in the type PrintStream is not applicable for the arguments ()  
The method print(boolean) in the type PrintStream is not applicable for the arguments ()

at expencing/expencing.Election.main[Election.java:52]

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Election.java

```
12     System.out.println("\nPlease enter the amount spent last month on the following items:");
13
14     System.out.println("Food: ");
15     double foodf = userInput.nextInt();
16
17     System.out.println("Clothing: ");
18     double clothingf = userInput.nextInt();
19
20     System.out.println("Entertainment: ");
21     double entertainmentf = userInput.nextInt();
22
23     System.out.println("Rent: ");
24     double rentf = userInput.nextInt();
25
26
27
28
29
30     double tFee = rentf + entertainmentf + clothingf + foodf;
31
32
33     double foodpercent = (foodf*100)/tFee;
34     double clothingpercent = (clothingf*100)/tFee;
35     double entertainmentpercent = (entertainmentf*100)/tFee;
36     double rentpercent = (rentf*100)/tFee;
37
38
39     DecimalFormat foodpercent = new DecimalFormat("#.00");
40
41     DecimalFormat clothingpercent = new DecimalFormat("#.00");
42
43
44     System.out.print("Food: " + foodf);
45     System.out.print("Clothing: " + clothingf);
46     System.out.print("Entertainment: " + entertainmentf);
47     System.out.print("Rent: " + rentf);
48
49
50     System.out.print("\nThe percentage of these items ");
51
52     System.out.print("\nFood: " + (foodpercent.format(foodpercent)) + "%");
53
54 }
```

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<terminated> Election [Java Application] /Volumes/Eclipse/Eclipse.app/Contents/Eclipse/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.aarch64\_21.0.8.v20250724-1412/jre/bin/java (Sep 22, 2025, 8:13:33 p.m. - 8:13:36 p.m. elapsed: 0:00:02.779) [pid: 23445]

Exception in thread "main" java.lang.Error: Unresolved compilation problems:  
Duplicate local variable foodpercent  
Duplicate local variable clothingpercent

at expencing/expencing.Election.main[Election.java:39]

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## EXERCISE 14:

The screenshot shows the Eclipse IDE interface with the following details:

- Left Panel (Code Editor):** Displays the `Election.java` file. The code prompts the user for election results for New Jersey and Connecticut, calculates total votes and percentages for each candidate, and prints the results. It uses `System.out.println` for output and `Scanner` for input.
- Right Panel (Outline):** Shows the project structure with a single class `Election` containing a `main` method.
- Bottom Left (Status Bar):** Shows the current file is `Election [Java Application]`, the Java version is Java 25, and the build path includes `Declaration` and `Console`.
- Bottom Middle (Console):** Displays the command-line output of the Java application. It shows the application was run with the command `java -jar Election.jar`. The output includes the election results for both states and ends with an error message indicating unresolved compilation problems.

```
22 System.out.println("\nPlease enter the election results for the following candidates in New Jersey:");
23
24 System.out.print("Awbrey: ");
25 int Awbrey = userInput.nextInt();
26
27 System.out.print("Martinez: ");
28 int Martinez = userInput.nextInt();
29
30
31
32 System.out.println("\nPlease enter the election results for the following candidates in Connecticut:");
33
34 System.out.print("Awbrey: ");
35 int Awbreyj = userInput.nextInt();
36
37 System.out.print("Martinez: ");
38 int Martinezj = userInput.nextInt();
39
40
41
42
43
44 int tMartinez = Martinez + Martinezj + Martinez;
45
46 int tAwbrey = Awbrey + Awbreyj + Awbrey;
47
48 int tVotes = tMartinez + tAwbrey;
49
50 double Awbreypercent = (tAwbrey*100)/tVotes;
51
52 double Martinezpercent = (tMartinez*100)/tVotes;
53
54 DecimalFormat Awbreypercentage = new DecimalFormat("#.##");
55 DecimalFormat Martinezpercentage = new DecimalFormat("#.##");
56
57 System.out.print("The total amount of Awbrey's votes are : " + tAwbrey);
58 System.out.print("The percentage of Awbrey's votes are " + (Awbreypercentage.format(Awbreypercent)) + "%");
59
60 System.out.print("\nThe total amount of Martinez's votes are : " + Martineztotal);
61 System.out.print("The percentage of Martinez's votes are " + (Martinezpercentage.format(Martinezpercent)) + "%");
62
63
64
65 }
```

```
Exception in thread "main" java.lang.Error: Unresolved compilation problems:
  Awbrey cannot be resolved to a variable
    Awbrey must be declared in a variable
  Martineztotal cannot be resolved to a variable
  Cannot invoke format(double) on the primitive type double

at expencing/expencing.Election.main(Election.java:51)
```

The screenshot shows the Eclipse IDE interface. On the left, the code editor displays `Election.java` with Java code for calculating election results. On the right, the terminal window shows the output of the Java application and some error messages.

```
22 System.out.println("\nPlease enter the election results for the following candidates in New Jersey:");
23
24 System.out.println("Awbrey: ");
25 int Awbrey = userInput.nextInt();
26
27 System.out.println("Martinez: ");
28 int Martinez = userInput.nextInt();
29
30
31
32 System.out.println("\nPlease enter the election results for the following candidates in Connecticut:");
33
34 System.out.println("Awbrey: ");
35 int Awbreyj = userInput.nextInt();
36
37 System.out.println("Martinez: ");
38 int Martinezj = userInput.nextInt();
39
40
41
42
43
44
45 int tMartinez = Martinez + Martinezj;
46 int tAwbrey = Awbrey + Awbreyj;
47 int tVotes = tMartinez + tAwbrey;
48
49 double Awbreypercent = (tAwbrey*100)/tVotes;
50
51 double Martinezpercent = (tMartinez*100)/tVotes;
52
53 DecimalFormat Awbreypercentage = new DecimalFormat("#.00");
54
55 DecimalFormat Martinezpercentage = new DecimalFormat("#.00");
56
57 System.out.print("The total amount of Awbrey's votes are : " + tAwbrey);
58 System.out.print("\nThe percentage of Awbrey's votes are " + (Awbreypercentage.format(Awbreypercent)) + "%");
59
60 System.out.print("\nThe total amount of Martinez's votes are: " + tMartinez);
61 System.out.print("\nThe percentage of Martinez's votes are " + (Martinezpercentage.format(Martinezpercent)) + "%");
62
63
64
65 }
```

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<terminated> Election [Java Application] /Volumes/Eclipse/Eclipse.app/Contents/Eclipse/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.aarch64\_21.0.8.v20250724-1412/jre/bin/java (Sep 22, 2025, 6:30:40 p.m. - 6:30:44 p.m. elapsed: 0:00:03.707) [pid: 22699]  
Exception in thread "main" java.lang.Error: Unresolved compilation problems:  
    Martineztotal cannot be resolved to a variable  
    Cannot invoke format(double) on the primitive type double  
at expencing/expencing.Election.main[Election.java:62]

Cannot invoke format(double) on the primitive type double