

For this exercise, follow the steps in document: **createNewJavaProject**

Use the following project, package and class names:

Project: **DessertProject**

Package: **dessert**

Class: **DessertItem**

**Candy** extends **DessertItem**

**Cookie** extends **DessertItem**

**IceCream** extends **DessertItem**

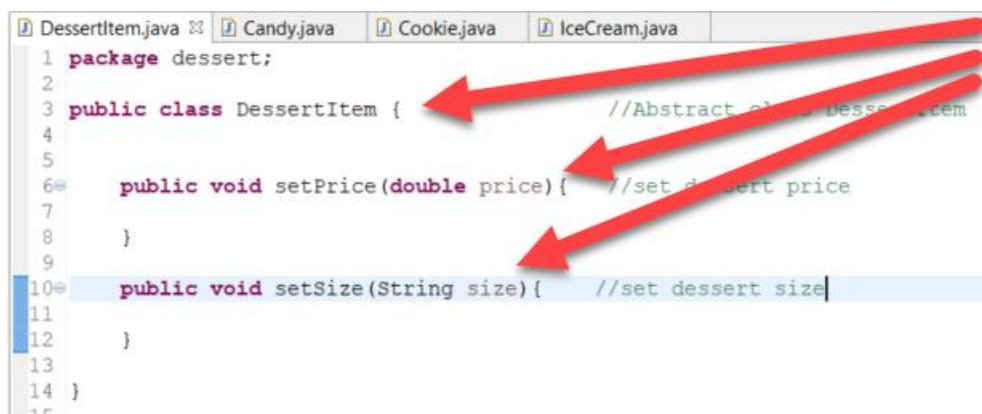
**Sundae** extends **IceCream**

**Checkout** extends **DessertItem**

You should have a copy of the source code.

The class files will open in the **Eclipse editor** window. Notice the **dessert** package name.

**DessertItem** class file



```
1 package dessert;
2
3 public class DessertItem { //Abstract class DessertItem
4
5
6     public void setPrice(double price) { //set dessert price
7
8     }
9
10    public void setSize(String size) { //set dessert size
11
12    }
13
14 }
```

**Candy** class file, extends **DessertItem** class



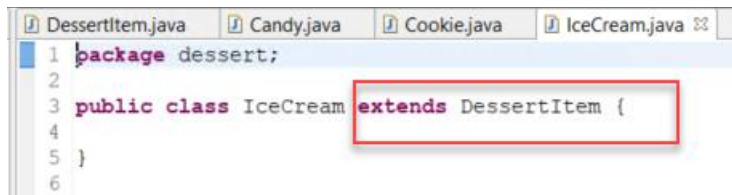
```
1 package dessert;
2
3 public class Candy extends DessertItem {
4
5 }
6
```

**Cookie** class file extends **DessertItem** class



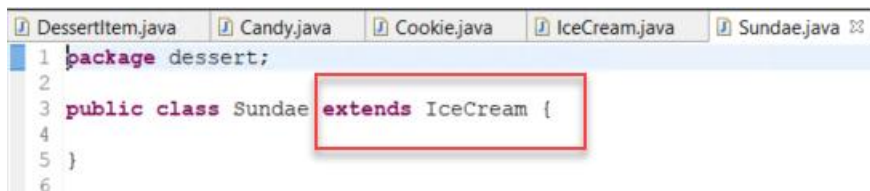
```
1 package dessert;
2
3 public class Cookie extends DessertItem {
4
5 }
6
```

**IceCream** class file extends **DessertItem** class



```
1 package dessert;
2
3 public class IceCream extends DessertItem {
4
5 }
6
```

**Sundae** class file extends **IceCream**



```
1 package dessert;
2
3 public class Sundae extends IceCream {
4
5 }
6
```

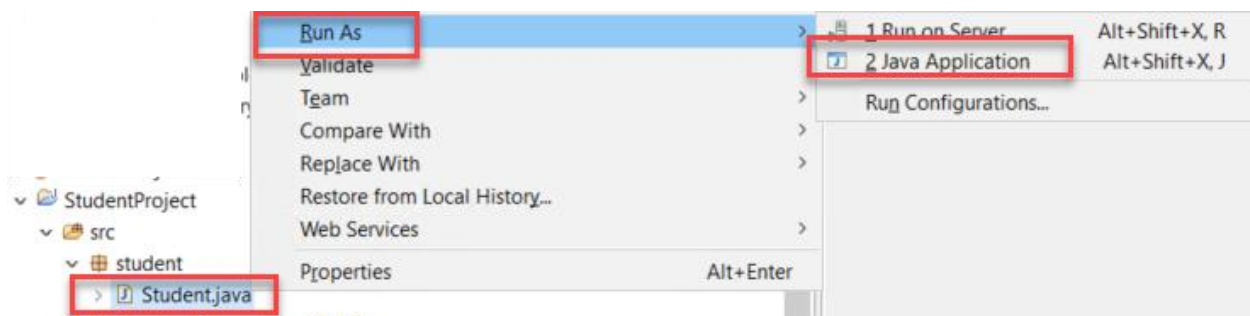
**Checkout** class file extends **DessertItem** class



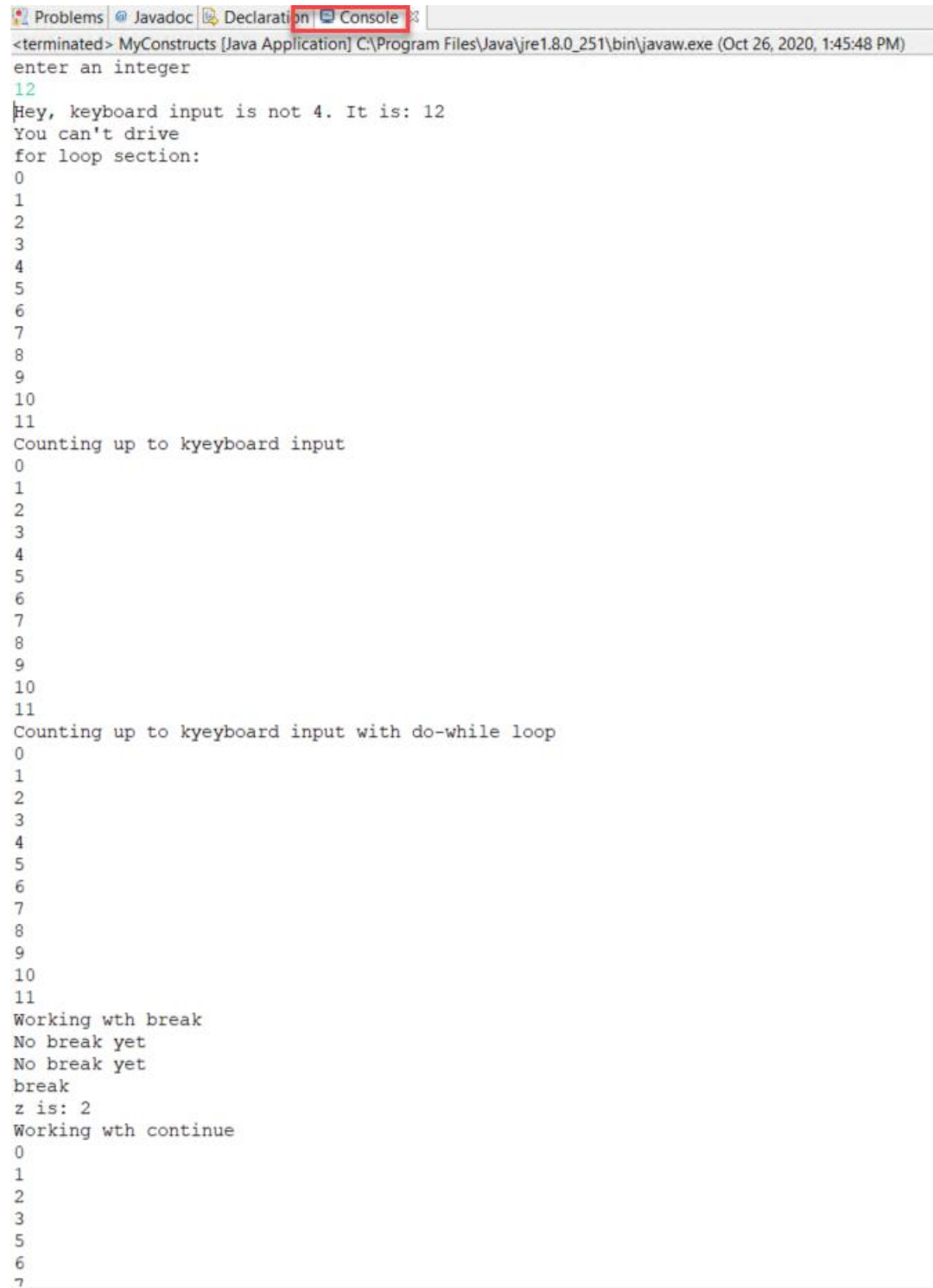
```
1 package dessert;
2
3 public class Checkout extends DessertItem {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7     }
8 }
9
10
11
```

Run the application.

In the **StudentProject** project, select the **Student.java** class file, right click, click **Run As -> Java Application**.



The output will appear in the **Console** window.

A screenshot of an IDE's Console window. The title bar shows tabs for 'Problems', 'Javadoc', 'Declaration', and 'Console', with 'Console' selected and highlighted by a red rectangle. The console text shows the execution of a Java application. It starts with a prompt 'enter an integer' where the user has entered '12'. The program then prints a message: 'Hey, keyboard input is not 4. It is: 12'. This is followed by a 'for loop section' that prints numbers from 0 to 11. Then, it prints 'Counting up to kyekeyboard input' (note the typo) and prints numbers 0 to 11. Next, it prints 'Counting up to kyekeyboard input with do-while loop' and prints numbers 0 to 11. This is followed by a section 'Working wth break' (note the typo) which prints 'No break yet' twice, then 'break', and 'z is: 2'. Finally, it prints 'Working wth continue' and prints numbers 0 to 7. The console window has a light gray background and a horizontal scrollbar at the bottom.

```
<terminated> MyConstructs [Java Application] C:\Program Files\Java\jre1.8.0_251\bin\javaw.exe (Oct 26, 2020, 1:45:48 PM)
enter an integer
12
Hey, keyboard input is not 4. It is: 12
You can't drive
for loop section:
0
1
2
3
4
5
6
7
8
9
10
11
Counting up to kyekeyboard input
0
1
2
3
4
5
6
7
8
9
10
11
Counting up to kyekeyboard input with do-while loop
0
1
2
3
4
5
6
7
8
9
10
11
Working wth break
No break yet
No break yet
break
z is: 2
Working wth continue
0
1
2
3
5
6
7
```