# Module 04: Midterm - Debugging Assignment

In this assignment you will demonstrate your knowledge of debugging by fixing the errors you find in the program below. Fix the code, and paste it in this document, along with the list of the problems you fixed.

This example allows the user to display the string for the day of the week. For example, if the user passed the integer 1, the method will return the string Sunday. If the user passed the integer 2, the method will return Monday. This code has both syntax errors and logic errors. Hint: There are two logic errors to find and fix (in addition to the syntax errors).

Inport daysAndDates.DaysOfWeek;

**public** **class** TestDaysOfWeek {

**public** **static** **void** main(String[] args) {

System.***out***.println("Days Of week: ");

**for** (**int** i = 0;i < 8;i++) {

System.***out***.println("Number: " + i + "\tDay Of Week: " + DaysOfWeek.*DayOfWeekStr*(i) )

}

}

}

**package** daysAndDates

**public** **class** DaysOfWeek {

**public** **static** String DayOfWeekStr(**int** NumberOfDay) {

String dayStr = ""

**switch** (NumberOfDay) {

**case** 1:

dayStr = "Sunday";

**break**;

**case** 2:

dayStr = "Monday";

**break**;

**case** 3:

dayStr = "Tuesday"

**break**;

**case** 4:

dayStr = "Wednesday";

**case** 5:

dayStr = "Thursday";

**break**;

**case** 6:

dayStr = "Friday";

**break**;

**case** 7:

dayStr = "Saturday";

**break**;

}

}

}

CORRECTED CODE:

import daysAndDates.DaysOfWeek;

public class TestDaysOfWeek {

public static void main(String[] args) {

System.out.println("Days Of week: ");

for (int i = 1; i <= 7; i++) {

System.out.println("Number: " + i + "\tDay Of Week: " + DaysOfWeek.DayOfWeekStr(i) );

}

}

}

package daysAndDates;

public class DaysOfWeek {

public static String DayOfWeekStr(int NumberOfDay) {

String dayStr = "";

switch (NumberOfDay) {

case 1:

dayStr = "Sunday";

break;

case 2:

dayStr = "Monday";

break;

case 3:

dayStr = "Tuesday";

break;

case 4:

dayStr = "Wednesday";

break;

case 5:

dayStr = "Thursday";

break;

case 6:

dayStr = "Friday";

break;

case 7:

dayStr = "Saturday";

break;

}

return dayStr;

}

}

LIST OF PROBLEMS FIXED:

1. I fixed the import statement to be spelled correctly.
2. I added a semicolon after “String dayStr = “”;
3. I added a break statement after the case for Tuesday.
4. I added a “return dayStr” to the end of the DaysOfWeekStr method.
5. I changed the for loop to iterate from 1 to 7 instead of 0 to 8.