# 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 three 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 = "Thursday";

**break**;

**case** 7:

dayStr = "Saturday";

**break**;

}

}

}

CORRECTED CODE:

Import daysAndDates.DaysOfWeek; // Fixed spelling of import

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

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

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

**for** (**int** i = 1;i < 7;i++) { // Start from 1 and end at 7 to match day numbers

System.***out***.println("Number: " + i + "\tDay Of Week: " + DaysOfWeek.*DayOfWeekStr*(i)); // Added a semicolon

}

}

}

**package** daysAndDates

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

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

String dayStr = ""; // Added Semicolon

**switch** (NumberOfDay) {

**case** 1:

dayStr = "Sunday";

**break**;

**case** 2:

dayStr = "Monday";

**break**;

**case** 3:

dayStr = "Tuesday"; // Added Semicolon

**break**;

**case** 4:

dayStr = "Wednesday";

break; // Added break

**case** 5:

dayStr = "Thursday";

**break**;

**case** 6:

dayStr = "Thursday";

**break**;

**case** 7:

dayStr = "Saturday";

**break**;

}

Return dayStr; // Return the day string

}

}

LIST OF PROBLEMS FIXED:

Line 1: Changed it from “Inport” to “Import”

Line 7: Changed the parameters from 0-8 to 1-7 so that it stays within the actual day range

Line 8: Added a semicolon to the end of the line

Line 18: Added a semicolon to the end of the line

Line 27: Added a semicolon to the end of the line

Line 31: Added a break

Line 42: Added a return to string