**package** phoneNumberToStringProgram;

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**import** java.util.Scanner;

**public** **class** PhoneNumberToString {

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

**boolean** program = **true**; // program runs indefinitely

**while**(program) {

Scanner input = **new** Scanner(System.***in***); // allows user input

System.***out***.println("Enter a letter to convert from string to integer: "); // asks the user for data

String letter = input.nextLine(); // stores user input

letter = letter.toUpperCase(); // if user inputs lowercase number, it can be converted to upper case

**switch** (letter) {

**case** "A" : System.***out***.println("The corresponding number is 1"); // case/break used as an alternative to if/then/else statements

**break**;

**case** "B" : System.***out***.println("The corresponding number is 1");

**break**;

**case** "C" : System.***out***.println("The corresponding number is 1");

**break**;

// I use line breaks so the program is easier to read.

**case** "D" : System.***out***.println("The corresponding number is 2");

**break**;

**case** "E" : System.***out***.println("The corresponding number is 2");

**break**;

**case** "F" : System.***out***.println("The corresponding number is 2");

**break**;

**case** "G" : System.***out***.println("The corresponding number is 3");

**break**;

**case** "H" : System.***out***.println("The corresponding number is 3");

**break**;

**case** "I" : System.***out***.println("The corresponding number is 3");

**break**;

**case** "J" : System.***out***.println("The corresponding number is 4");

**break**;

**case** "K" : System.***out***.println("The corresponding number is 4");

**break**;

**case** "L" : System.***out***.println("The corresponding number is 4");

**break**;

**case** "M" : System.***out***.println("The corresponding number is 5");

**break**;

**case** "N" : System.***out***.println("The corresponding number is 5");

**break**;

**case** "O" : System.***out***.println("The corresponding number is 5");

**break**;

**case** "P" : System.***out***.println("The corresponding number is 6");

**break**;

**case** "Q" : System.***out***.println("The corresponding number is 6");

**break**;

**case** "R" : System.***out***.println("The corresponding number is 6");

**break**;

**case** "S" : System.***out***.println("The corresponding number is 6");

**break**;

**case** "T" : System.***out***.println("The corresponding number is 7");

**break**;

**case** "U" : System.***out***.println("The corresponding number is 7");

**break**;

**case** "V" : System.***out***.println("The corresponding number is 7");

**break**;

**case** "W" : System.***out***.println("The corresponding number is 8");

**break**;

**case** "X" : System.***out***.println("The corresponding number is 8");

**break**;

**case** "Y" : System.***out***.println("The corresponding number is 8");

**break**;

**case** "Z" : System.***out***.println("The corresponding number is 8");

**break**;

} // end of switch

} // end of while loop

} // end of main program

} // end of class