**package** com.issayah.samplecode;

**import** java.util.Scanner;

**public** **class** Week4 {

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

// Here's a reference on various methods (behaviors) of String objects in Java

//https://www.w3schools.com/java/java\_ref\_string.asp

//Problem 1

// See if you can use methods of the String class to extract/sysout the domain name from the following emailAddress

String email1 = "bob@acme.com";

System.***out***.println(email1.substring((email1.indexOf('@')+1),email1.length()));

//Problem 2

// See if you can use methods of the String class to extract/sysout the domain name from the following emailAddress

String email2 = "bob.smith@acme.com";

System.***out***.println(email2.substring((email2.indexOf('@')+1),email2.length()));

//Problem 3

Scanner kb = **new** Scanner(System.***in***);

**int** secretNumber = 7;

// Print this to the console: "Guess the secret number"

// Use the Scanner object (the variable kb) to store the number (int) entered by the user

// If the number entered by the user is higher than secretNumber, then sysout "TOO HIGH"

// If the number entered by the user is lower than secretNumber, then sysout "TOO LOW"

// IF the number entered by the user is equal to secretNumber, then sysout "YOU GUESSED IT"

System.***out***.println("Guess the secret number");

**int** guessedNumber = kb.nextInt();

**if**(guessedNumber > secretNumber) {

System.***out***.println("Too high");

}**else** **if**(guessedNumber < secretNumber) {

System.***out***.println("Too low");

}**else** {

System.***out***.println("You guessed it");

}

//Problem 4

String secretPassword = "openSesame";

// Print this to the console: "Enter the password"

// Use the Scanner object (the variable kb) to store the String entered by the user

// If the string entered by the user is equal to secretPassword, then sysout "WELCOME!"

// If the string entered by the user is NOT equal to secretPassword, then sysout "WRONG PASSWORD"

System.***out***.println("Enter the password" );

String thisString = kb.next();

**if**(thisString.equals(secretPassword)) {

System.***out***.println("Welcome!");

}**else** {

System.***out***.println("Wrong password");

}

}

}