**ANSWER PACKET**

CS-200, Programming I Final Exam

Saturday, August 10, 2019

8:30 a.m. – 10:30 a.m.

**Instructions:**

1. **Do not turn this page until told to do so.**

1. This exam is **closed book** and **closed notes**.
2. **Write your STUDENT ID Number on every page**. If you do not write your ID Number on a certain page, you **will not receive credit for the question** **on that page!**
3. **Do not write your name** **on any page (except this one)**.If you write your name on a certain page, **you will not receive credit for the question on that page!**
4. There are **five** problems on the exam, one per page. Each problem will be graded as "pass" or "fail". To pass this final exam, you must pass at least **three** out of the five questions. Once you start, verify you have all 5 problems. If you are missing any question(s), notify a proctor immediately.
5. You must place your answer to a question on the **specified** page in the **ANSWER PACKET**. If you place your answer anywhere else, **you will not receive credit for it!**
6. For problems that ask you to write a **method**, you must use the given method header **exactly** as shown, and you do not need to write the main( ) method.
7. You may use "kb", "kbd", "keyboard" or "input" to get input from the keyboard without defining them. Assume the following import statement and keyboard declarations have already been written for you (do not write these statements in your answers):

 import java.util.Scanner;

 Scanner keyboard = new Scanner (System.in);
 or Scanner kb = new Scanner (System.in);

 or Scanner kbd = new Scanner (System.in);

 or Scanner input = new Scanner (System.in);

1. You may use "SOP" as an abbreviation for "System.out.print" and "SOPln" or "SOPL" for "System.out.println".
2. You do not need to do any error checking of input values, **unless the problem specifically asks you to do so!**
3. If at any time during the exam you are caught looking at other papers or communicating with other students in any way, you will receive an **F** for the course.

**QUESTION 1**

**public static int[][] createBoard()**

{

}

**QUESTION 2**

**public static void getNumber(String[]fnames, String[]lnames, long[]phones)**

{

}

**QUESTION 3**

**public static void spellNum(int num)**

{

}

**QUESTION 4**

**QUESTION 4**

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

 {

}

**QUESTION 5**

 **public static boolean canDoRoundTrip(int percent,int miles,boolean cold)** {

}