

# CIS 110\_BONUS ASSIGNMENT #1

## FALL 2010

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**Instructions:** *Consider a Student File that contains the following data:*

<b>Last Name</b>	<b>First Name</b>	<b>Major</b>	<b>Grade Point Average</b>
ANDREWS	DAVID	PSYCHOLOGY	3.4
BROEDERDORF	MELISSA	COMPUTER SCIENCE	4.0
BROGAN	LINDSEY	BIOLOGY	3.8
CARSON	JOSHUA	COMPUTER SCIENCE	2.8
ELSFELDER	KATIE	MATHEMATICS	3.5
FARIS	NATALIE	BIOLOGY	2.8
FREDRICKS	ZACHARY	PSYCHOLOGY	2.0
GONZALES	EDUARDO	BIOLOGY	3.1

1. *Would this set of data be suitable and sufficient to use to test each of the following programs? Explain why or why not?*

A. A PROGRAM THAT PRINTS A LIST OF PSYCHOLOGY MAJORS.

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B. A PROGRAM THAT PRINTS A LIST OF ART MAJORS.

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C. A PROGRAM THAT PRINTS A LIST OF STUDENTS ON ACADEMIC PROBATION -- THOSE WITH A GRADE POINT AVERAGE UNDER 2.0.

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D. A PROGRAM THAT PRINTS A LIST OF STUDENTS ON THE DEAN S LIST.

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E. A PROGRAM THAT PRINTS A LIST OF STUDENTS FROM WISCONSIN.

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F. A PROGRAM THAT PRINTS A LIST OF FEMALE STUDENTS.

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2. *Which of the following is not a legal variable name in any programming language?*

A. SEMESTER GRADE

B. FALL2005\_GRADE

C. GRADEINCIS110

D. MY\_GRADE

3. *Suggest a good set of test data to use for a program that gives an employee a \$50 bonus check if the employee has produced more than 1,000 items in a week.*
4. *The two most commonly used tools for planning a program's logic are \_\_\_\_\_.*
- A. FLOWCHARTS AND PSEUDOCODE
  - B. ASCII AND EBCDIC
  - C. JAVA AND VISUAL BASIC
  - D. WORD PROCESSORS AND SPREADSHEETS
5. *Which of the following is a typical processing instruction?*
- A. PRINT ANSWER
  - B. GET USERNAME
  - C.  $PCTCORRECT = RIGHTANSWERS / ALLANSWERS$
  - D. PRINT CALCULATEDPERCENTAGE