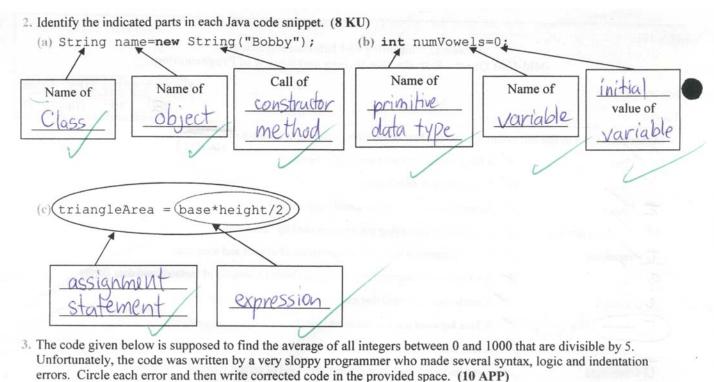
Semester 2, 2009 - 2010

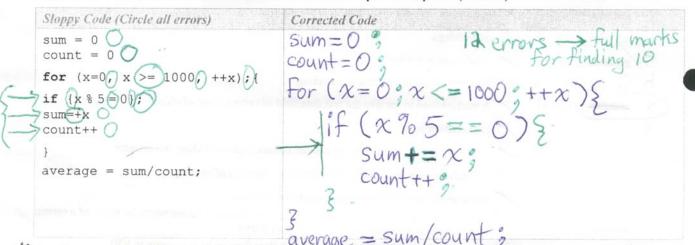
Grade 12 Computer and Information Science Mid-Unit Quest – Introduction to Java and Review of Programming

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KU APP TIPS COM /28 /10 /10 /7

Y ICILITE,	
1. Match each term in the lef	t column with the best definition in the right column. (17 kg)
class	A body of students who are taught together (14 KU)
Object	A tangible and visible entity
Zbraces	An appliance that corrects dental irregularities
V primitive data type	A method of conveying information used by "cave men"
trepetition	An organizational unit of Java consisting of classes and interfaces
9 %	* A template or blueprint for creating an object (it consists of methods and data fields)
method	A method or data field that can be used without creating an object
(r index) doesn't	A Java keyword used to create an object
setText	A function
U data field	A method used to change the text data field of certain types of objects
QQ selection	A concrete instance of a class
5 assignment statement	Something students hate to get from their teachers
O getText	A percentage symbol
h new doon t	The state of a program that is executing
instance count	A method used to retrieve the text data field of certain types of objects
X!	Exclamation point
	Operator used to evaluate the remainder obtained upon dividing two integers
	A number that is used to identify a particular element of an array.
	A statement that is used to give a value to a variable
	A programming structure that allows a particular group of statements to be repeated a certain number of times or while a certain condition is true
	A variable declared at the global level of a class (known as a property in VB)
	A data type that is not defined in terms of simpler types
	Any time during which a program's source code is being edited.
	Java's "not" operator
	/ A method or data field that "belongs" to a particular object.
	Symbols used to enclose a group of statements that are to be treated as one statement A programming structure that allows a particular group of statements to be executed while other groups of statements are ignored





Two integers are relatively prime if their only common divisor is one. For example, 9 and 14 are relatively prime because their only common divisor is 1. However, 8 and 14 are not relatively prime because 2 divides into both of them.

 (b) Write a Java program segment that determines whether two given integers are relatively prime. Your code should include variable declarations. (7 TIPS, 5 COM) int num1 = Integer. parseInt (edit Num1. getText()) ? int num2 = Integer. parseInt(edit Num2. get Text()); int smaller, i=2; boolean relatively Prime = true; if (num1 < num2) Smaller = num1; else smaller = numa; while (i <= smaller 2.8 relatively Prime == true) { // legin if (num170i==0 && num270i==0) relatively Prime = false; 3 Hend of while if (relatively Prime == true) label Resulto set Text ("Relatively prime"); else label Result. set Text ("Not relatively prime"); Communication marks alloted for · proper indentation · descriptive /meaningful identifier names