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05/09/2018

CSE 2221

HW 1

1: “Going over the line” would entail plagiarizing another’s work, or attempting to take credit for work that was not done by the individual.

2: The final exam represents 30% of the class grade, but a passing grade on the final exam is required to pass the class.

3: As this is academic misconduct, this will result in not only missing out on truly learning the material but a grade of 0 for the assignment. It is much more beneficial to complete the assignment by utilizing course materials to help solve problems.

4: Java’s slogan is “write once, run anywhere”. This is because java is executed on the JVM (java virtual machine), witch makes it consistent even across different operating systems. This is a huge benefit as for many other languages, there are different between development and production environments leading to time consuming problems. Another benefit is it’s safety and security, which are what enabled it to be used in browser.

5: An algorithm is a set of instructions that if followed, will lead to an answer or result. If an algorithm is given an input and precisely followed, it will produce a predictable output.

6: The two main errors are compile, and run time errors. Compile errors happen when there is an issue compiling code into byte code, and before it is executed. One common example are syntax mistakes. Run time errors happen when there is a flaw in the logic of the code, even though syntactically it is correct. One example of a run time error would be memory overflow .

7.

a: Compile time error

b: compile time error

c: compline time

d: run time error

e: in order to test for run time errors, the program must first be compiled

8:

39 + 3

42

393

1. API - Application Program interface
2. CPU - Computer Processing unit
3. IBM - International Business Machines
4. IDE - Interactive Development Environment
5. JDK - Java Development Kit
6. JVM - Java Virtual Machine
7. GUI - Graphical User Interface
8. LAN - Local Area Network
9. MAC (the acronym, often followed by "address"; not a Macintosh) - Media Access Control
10. RSS - Really simple Syndication
11. UUT - Unit Under Test
12. XML - Extensible markup language