

CSE110 Review Questions (Solutions)

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Introduction

Question 1 What does a compiler do?

- a) Translates machine instructions to higher level languages
- b) Translates programs written in a high-level language into machine code
- c) Translates user programs to Java Programs
- d) None of the above

Answer: C

Question 2 Consider the following Java Program:

```
public class VendingMachine {  
    public static void main(String[] args) {  
        System.out.println("Please insert 25c");  
    }  
}
```

By what name would you save this program on your hard disk?

Answer: VendingMachine.java

Question 3 Is Java a functional language, procedural language, object-oriented language, or logic language?

Answer: Java is an object-oriented language.

Question 4 What is a plain text file?

Answer: A plain text file is one without formatting characters.

Question 5 How is a text file different than a .doc file?

Answer: A .doc file has formatted text with extra characters used for formatting.

Question 6 What is a compiler?

Answer: A (Java) compiler is a program that takes a source file and translates it into bytecode.

Question 7 What is a source program?

Answer: A source file is any collection of instructions written using a computer language.

Question 8 What is the program that translates Java bytecode instructions into machine-language instructions?

Answer: The Java Virtual Machine (JVM).

Question 9 What is Java bytecode?

Answer: Java bytecode is a form of instructions that the Java Virtual Machine executes.

Question 10 Is Java case-sensitive? What does that mean?

Answer: Yes. It means that "Total" and "total" are different identifiers.