

PFP Quiz1 Guide

Note: The quiz is closed book, closed notes. No programming devices are allowed.

Here is a list of materials to review:

Fundamentals

Literals

Operators

Expressions

Types: int, double, char, char

Variables

Statements

Sequential Control flow

Block of Code

Conditional Statements: if, if-else, nested if-else

Loops: while, for

System.out.println method

OOP

What is an object?

What does object consist of? Data and Behavior

Behavior types: Query and Command

Classes are template for creating objects. Contain: data fields, methods, constructors.

Variables: instance vs. temporary/local variables (Note: static variables not on this quiz)

Methods: Know how to write a method

Constructor: how to write constructors and create objects with it

String Objects: String declaration and concatenation

What do keywords: public and private and final do?

Programming Language

What is programming language vs Machine Language?

Most common Java Compiling Errors: E.g. missing semicolon, curly brace; assigning wrong types to variables etc.

What is Java byte code?

What is the java package with compiler and virtual machine known as?

What is an API?

What does the class interface contain?