**University of Winnipeg - PACE**

Program: Web development diploma
Course: Introduction to Java programming
Instructor: Andre Specht de Andrade

Quiz 3 - 10 questions (8 MC + 2 SA)

Multiple choice questions (8 per quiz)

New question: MC 1
Title: Classes and interfaces
Question text: When a class implements an interface, the class must override the _____ methods that are specified by the interface
Points: 1.5
Option: public        0
Option: static        0
Option: abstract    100
Option: final         0
Hint:
Feedback:

New question: MC 2
Title: Java operators
Question text: Which best describes what the "new" keyword does?
Points: 1.5
Option: Creates a copy of an existing object and treats it as a new one    0
Option: Instantiates a new object                                          100
Option: Switches an object reference to a new one                          0
Option: Creates an instance of the Object class                            0
Hint:
Feedback:

New question: MC 3
Title: The Java language
Question text: Which of the following statements is false?
Points: 1.5
Option: Java is a robust OOP language                0
Option: A class can extend one or more classes       100
Option: A class can implement one or more interfaces  0
Option: A class can extend only one class            0
Hint:
Feedback:

New question: MC 4

Title: Methods

Question text: Given the following method signature, which classes can call it?

```
void run(int speed)
```

Points: 1.5

Option: Classes in other packages          0

Option: Classes in the same package        100

Option: Subclasses in a different package  0

Option: All classes                        0

Hint:

Feedback:

New question: MC 5

Title: Encapsulation

Question text: What is the return type for the following method?

```
public _____ setName(String name) {
    this.name = name;
}
```

Points: 1.5

Option: void     100

Option: none     0

Option: String   0

Option: char     0

Hint:

Feedback:

New question: MC 6

Title: Methods

Question text: Which of the following best describes the given code?

```
public int numbers(int a) { }
public int numbers(int a, int b) { }
```

Points: 1.5

Option: Method declaration    0

Option: Method overriding      0

Option: Method overloading    100

Option: Method composition    0

Hint:

Feedback:

New question: MC 7

Title: Java classes

Question text: Which statement about Java classes is false?

Points: 1.5

Option: A Java class file may contain more than one comment                0

Option: A Java class file may include more than one import statement          0
Option: Any instance fields within a class must be defined after the class name    0
Option: A Java class file may include more than one package statement          100
Hint:
Feedback:

New question: MC 8
Title: Exceptions
Question text: Given the following keywords, in which order could they be used?
Points: 1.5
Option: try, finally, catch          0
Option: catch, try, finally          0
Option: try, catch, catch, finally    100
Option: try, catch, else, finally    0
Hint:
Feedback:

New question: MC 9
Title: Exceptions
Question text: Which of the following is the best scenario in which to use and catch an exception?
Points: 1.5
Option: The computer caught fire                    0
Option: The code does not compile                   0
Option: The program runs out of memory              0
Option: A caller passes invalid data to a method    100
Hint:
Feedback:

New question: MC 10
Title: Exceptions
Question text: Which of the following is not a common reason to add a checked exception to a method signature?
Points: 1.5
Option: To alert developers that that the state of JVM has been corrupted    100
Option: To force a caller to handle or declare potential problems             0
Option: To notify the caller of potential types of problems                   0
Option: To give the caller a chance to recover from a problem                 0
Hint:
Feedback:

New question: MC 11
Title: Inheritance
Question text: All Java classes directly or indirectly inherit from this class
Points: 1.5

Option: Object    100
Option: Main    0
Option: String    0
Option: Java    0
Hint:
Feedback:

New question: MC 12
Title: Inheritance
Question text: The following is an explicit call to the superclass's default constructor
Points: 1.5
Option: this( )    0
Option: default( )    0
Option: class( )    0
Option: super( )    100
Hint:
Feedback:

Short-answer questions (2 per quiz)

New question: SA 1
Title: Inheritance
Question text: Fill in the blanks
A class can _____ [one word] another class and _____ [one word] an interface
Points: 1.5
Answer: extend, implement
Hint:
Feedback:

New question: SA 2
Title: Inheritance
Question text: Fill in the blanks
The keyword _____ [one word] is used to reference a member of the parent class
Points: 1.5
Answer: super
Hint:
Feedback:

New question: SA 3
Title: Exceptions
Question text: Fill in the blanks
A _____ [one word] statement must contain a catch or a _____ [one word] block
Points: 1.5

Answer: try, finally

Hint:

Feedback:


New question: SA 4

Title: Inheritance

Question text: Fill in the blanks

A subclass may have a _____ [one word] with the same signature as a superclass method. In such a case, the subclass method _____ [one word] the superclass method

Answer: method, overrides

Points: 1.5

Hint:

Feedback: