University of Winnipeg - PACE

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

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

Multiple choice questions (8 per quiz)

New question: MC 1
Title: Decision statements
Question text: What is the output of the following code snippet?

```
int hour = 10;
int count = 0;
if (hour > 12)
  System.out.println("Good afternoon");
  System.out.println(++count);
```

Points: 1.5

Option	
Option: 0	0
Option: 1	100
Option: Nothing	0
Option: The code does not compile	0

Hint:
Feedback:

New question: MC 2
Title: Naming convention
Question text: Which of the following is not a valid variable name?
Points: 1.5

Option	
Option: $name	0
Option: _123	0
Option: _$_	0
Option: None of above	100

Hint:
Feedback:

New question: MC 3
Title: Java statements
Question text: Which of the following statements is not part of the Java language?
Points: 1.5

Option	
Option: if-else	0
Option: repeat-until	100
Option: do-while	0

Option: switch-case   0
Hint:
Feedback:

New question: MC 4
Title: The String class
Question text: Once a String object is created, it is not allowed to change. That means String objects are
Points: 1.5
Option: private   0
Option: blocked   0
Option: mutable   0
Option: immutable   100
Hint:
Feedback:

New question: MC 5
Title: The comparison operator
Question text: What is the output of the following code snippet?

```java
String pet1 = new String("cat");
String pet2 = new String("cat");
System.out.println(pet1 == pet2);
```

Points: 1.5
Option: cat   0
Option: an empty string   0
Option: true   0
Option: false   100
Hint:
Feedback:

New question: MC 6
Title: Java statements
Question text: This statement executes a block of code, and then check the loop condition
Points: 1.5
Option: while   0
Option: if-while   0
Option: do-while   100
Option: for-while   0
Hint:
Feedback:

New question: MC 7
Title: Arrays
Question text: Which of the following statements about arrays is false?

Points: 1.5

Option: Once an array is created, its size cannot be changed   0

Option: A subscript is used as an index to pinpoint a specific element within an array   0

Option: Individual array elements are processed like any other type of variable   0

Option: Arrays, like strings, are immutable   100

Hint:

Feedback:

New question: MC 8

Title: String methods

Question text: What is the output of the following code snippet?

```
 String nums = "6475930245";
 System.out.println(nums.substring(3, 6));
```

Points: 1.5

Option: 759   0

Option: 593   100

Option: 5930   0

Option: 930   0

Hint:

Feedback:

New question: MC 9

Title: Java statements

Question text: What is the output of the following code snippet?

```
  do {
    int y = 1;
    System.out.print(y++ + " ");
  } while (y <= 5);
```

Points: 1.5

Option: 1 2 3 4   0

Option: 1 2 3 4 5   0

Option: 1 2 3 4 5 6   0

Option: The code does not compile   100

Hint:

Feedback:

New question: MC 10

Title: Constructors

Question text: Which of the following best describes the concept of constructor in Java?

Points: 1.5

Option: A constructor is a method that is automatically called when a class is created   0

Option: A constructor is a method that is automatically called when an object is created   100

Option: A constructor is a special method that requires no arguments   0

Option: Constructors don't perform initialization or setup operations   0

Hint:

Feedback:

New question: MC 11

Title: Java classes

Question text: Performing output in Java, as well as many other tasks, is accomplished by using the Java

Points: 1.5

Option: Object class   0

Option: API   100

Option: main method( )   0

Option: java.util package   0

Hint:

Feedback:

New question: MC 12

Title: Class components

Question text: This is automatically provided for a class if you do not write one yourself

Points: 1.5

Option: Setters and getters   0

Option: Instance variables   0

Option: Constructor   100

Option: The main( ) method   0

Hint:

Feedback:

Short-answer questions (2 per quiz)

New question: SA 1

Title: Using loops

Question text: Fill in the blanks

The _____ [two words] loop declaration is composed of an initialization section and an object to be iterated over

Points: 1.5

Answer: for-each / for each / enhanced for (3 possible answers)

Hint:

Feedback:

New question: SA 2

Title: Java classes

Question text: Fill in the blanks

An _____ [one word] is a fixed-size area of memory on the heap that has space for primitives or pointers to objects. You specify the size when creating it

Points: 1.5

Answer: array / Array

Hint:

Feedback:

New question: SA 3

Title: Java classes

Question text: Fill in the blanks

The default implementation of the equals( ) method in the _____ [one word] class compares the references of the object being passed as the parameter and the object on which the method is called

Points: 1.5

Answer: Object / object

Hint:

Feedback:

New question: SA 4

Title: Java statements

Question text: Fill in the blanks

The _____ [one word] statement is a complex decision-making structure in which a single value is evaluated and flow is redirected to the first matching branch, known as a _____ [one word] statement

Answer: switch, case

Points: 1.5

Hint:

Feedback: