# Create Assessment

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**Name:**                          **Questions**                          Modify

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**Question** 1 ▾     **Multiple Answer**     [   ] Points     Modify   Remove

**Question:** What are the two parts of a value of type double?

**Answers:** ✔ significant digits
✘ length
✔ exponent
✘ mode
✘ numerator
✘ denominator

**Question** 2 ▾     **Multiple Choice**     [   ] Points     Modify   Remove

**Question:** After the following code fragment, what is the value in a?

```
String s;
int a;
s = "Foolish boy.";
a = s.indexOf("fool");
```

**Answers:** ✔ -1
✘ 0
✘ 4
✘ random value

**Question** 3 ▾     **Multiple Choice**     [   ] Points     Modify   Remove

**Question:** What is an infinite loop?

**Answers:** ✘ A loop that functions infinitely well

&#10003; A loop that runs forever
&#10007; A loop that never starts
&#10007; A loop that will never function

**Question** `4` ▾   **Multiple Choice**   [        ] Points   [ Modify ]  [ Remove ]

**Question:** If $s$ = "text", what is the value returned by s.length()?

**Answers:** &#10007; false
&#10007; true
&#10003; 4
&#10007; 5

**Question** `5` ▾   **Multiple Choice**   [        ] Points   [ Modify ]  [ Remove ]

**Question:** What is the difference between a TextArea and a TextField?

**Answers:** &#10003; A TextArea can handle multiple lines of text
&#10007; A textarea can be used for output
&#10007; TextArea is not a class
&#10007; TextAreas are used for displaying graphics

**Question** `6` ▾   **Multiple Choice**   [        ] Points   [ Modify ]  [ Remove ]

**Question:** The sequence \n does what?

**Answers:** &#10007; Makes a link
&#10007; Prints a backslash followed by a n
&#10007; Adds 5 spaces
&#10003; Starts a new line

**Question** `7` ▾   **Multiple Choice**   [        ] Points   [ Modify ]  [ Remove ]

**Question:** What is the value of k after the following code fragment?

```
int k = 0;
int n = 12
while (k < n)
{
  k = k + 1;
}
```

**Answers:** &#10007; 0
&#10007; 11
&#10003; 12
&#10007; unknown

**Question** `8` ▾   **Multiple Choice**   [        ] Points   [ Modify ]  [ Remove ]

**Question:** What does the following line of code mean?

```
double table[];
```

**Answers:** &#10007; table is a variable to refers to a real number

✘ table is a variable that refers to two numbers
✘ It is not legal Java code
✔ table is a variable that refers to an array

**Question** 9 ▾   **Multiple Choice**   [    ] Points   [Modify] [Remove]

**Question:** Given the following code fragment:

```
int A[];
int i = 0;
A = new int A[4];
while (i < 4)
{
  A[i] = 10;
  i = i + 1;
}
```

What is the value of A[3]?

**Answers:**  ✘ 0
✘ 3
✔ 10
✘ unknown

**Question** 10 ▾   **Multiple Choice**   [    ] Points   [Modify] [Remove]

**Question:** Given the following statement:

```
huey.setDouble(8.0*32.2+1.0);
```

What must be the data type of huey?

**Answers:**  ✔ DoubleField
✘ TextField
✘ IntField
✘ double

**Question** 11 ▾   **Multiple Answer**   [    ] Points   [Modify] [Remove]

**Question:** Page 258 in the Course Pack has a set of rules for Java.
Which rules must be applied to parse the following line?

```
TextField m1, m2;
```

**Answers:**  ✔ Rule #1
✘ Rule #2
✘ Rule #7
✘ Rule #8
✘ Rule #9
✘ Rule #10
✘ Rule #15
✔ Rule #16
✔ Rule #17
✔ Rule #18
✘ Rule #22
✘ Rule #23

✗ Rule #24
✗ Rule #24
✗ Rule #26
✗ Rule #27
✗ Rule #28
✗ Rule #30
✗ Rule# 31
✗ Rule #32

**Question** 12 ▾     **Multiple Choice**     [      ] Points     [ Modify ] [ Remove ]

**Question:** What is the purpose of this bit of code

```
void init()
{
 ...
}
```

?

**Answers:** ✗ a class that initializes the applet
✓ A required method in an applet
✗ A place to declare variables
✗ Interacting with the user

**Question** 13 ▾     **Multiple Choice**     [      ] Points     [ Modify ] [ Remove ]

**Question:** How would the TrafficLight program perform if the following line was omitted?

```
b2.addActionListener(this);
```

**Answers:** ✗ It would not compile
✗ It would not run
✗ Pushing the button labelled "GREEN" would have no effect
✓ Pushing the button labelled "YELLOW" would have no effect

**Correct Feedback:** Correct

**Incorrect Feedback:** Incorrect

**Question** 14 ▾     **Multiple Choice**     [      ] Points     [ Modify ] [ Remove ]

**Question:** A compound statement is:

**Answers:** ✓ A collection of one or more statements enclosed in braces
✗ A statement involving `if` and `else`
✗ A way of declaring variables
✗ a way of setting the value of a variable

**Correct Feedback:** Correct

**Incorrect Feedback:** Incorrect

**Question** 15 ▾        **Multiple Choice**    [        ]  Points    [ Modify ]  [ Remove ]

**Question:**  The following is NOT an example of a data type.

**Answers:**  ✘ int
✔ public
✘ Button
✘ void

**Correct Feedback:**  Correct

**Incorrect Feedback:**  Incorrect


**Question** 16 ▾        **Multiple Choice**    [        ]  Points    [ Modify ]  [ Remove ]

**Question:**  The following is an example of a bool-expression?

**Answers:**  ✘ x = 6
✘ m1.setText("Hello.")
✔ cause == bYes
✘ 70

**Correct Feedback:**  Correct

**Incorrect Feedback:**  Incorrect


**Question** 17 ▾        **Multiple Choice**    [        ]  Points    [ Modify ]  [ Remove ]

**Question:**  The following a legal Java statement

**Answers:**  ✘ m1 = new TextField("sixty");
✘ 1a = 6;
✔ add(m1);
✘ m1.setText("Hello world);

**Correct Feedback:**  Correct

**Incorrect Feedback:**  Incorrect


**Question** 18 ▾        **Multiple Choice**    [        ]  Points    [ Modify ]  [ Remove ]

**Question:**  If `result = 2 + 3 * 5`, what is the value of result?

**Answers:**  ✘ 25
✘ 14
✘ 10
✔ 17

**Correct Feedback:**  Correct

**Incorrect Feedback:**  Incorrect


**Question** 19 ▾        **Multiple Choice**    [        ]  Points    [ Modify ]  [ Remove ]

**Question:**  The data type for numbers such as 3.14159 is:

**Answers:**  ✔ double

    ✗ int
    ✗ real
    ✗ String

**Correct Feedback:** Correct

**Incorrect Feedback:** Incorrect

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**Question** 20 ▼    **Multiple Choice**   [  ] Points   | Modify | | Remove |

**Question:** A function is:

**Answers:** ✓ An entity that receives inputs and outputs
    ✗ A way of storing values
    ✗ A sequence of characters enclosed by quotes
    ✗ A kind of computer

**Correct Feedback:** Correct

**Incorrect Feedback:** Incorrect

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**Question** 21 ▼    **Multiple Choice**   [  ] Points   | Modify | | Remove |

**Question:** Trying determine the shape of a cylindrical can made from 1000 $cm^2$ of tin that has the largest possible volume is an example of:

**Answers:** ✗ Array calculation
    ✗ Text manipulation
    ✓ Optimization problem
    ✗ Object oriented programming

**Correct Feedback:** Correct

**Incorrect Feedback:** Incorrect

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**Question** 22 ▼    **Multiple Choice**   [  ] Points   | Modify | | Remove |

**Question:** The method setLabel can be used with what type of Object?

**Answers:** ✓ DoubleField
    ✗ int
    ✗ TextField
    ✗ String

**Correct Feedback:** Correct

**Incorrect Feedback:** Incorrect

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**Question** 23 ▼    **Multiple Choice**   [  ] Points   | Modify | | Remove |

**Question:** What is the value stored in result after executing the following line in a program?

```
result = 6/2*3;
```

**Answers:** ✗ 1.2

✔9
✗1
✗0

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