

# CM227

## Programming Mobile Devices with MIDP 2.0

### Self assessment

Please answer the following questions. The answers can be found at the end. If you cannot get at least 4 questions correct, please consider taking the **Java Programming Fundamentals** courses first.

1. Which of these statements is wrong?
  - a) You may define more than one constructor in a class.
  - b) A static variable is one which cannot be changed once initialised.
  - c) Instance variables occur in each instance of a class.
  - d) An object is a particular instance of a class.
  
2. If I want to compare the two strings in the variables "one" and "two" to see if the contents of the strings are identical, which do I write?
  - a) if (one == two) ...
  - b) if (one eq two) ...
  - c) if (one.equals(two)) ...
  - d) if ((one-two) == 0) ...
  
3. An exception is always
  - a) an instance of class Throwable
  - b) generated if you try to write to STDOUT in an applet
  - c) used to indicate that your program has failed to work correctly
  - d) flagged by the compiler
  
4. Which of these is NOT a simple data type?
  - a) double
  - b) String
  - c) boolean
  - d) byte
  
5. If you try to access beyond the end of an array, Java always:
  - a) Terminates with an error message
  - b) Throws an arrayindexoutofbounds exception.
  - c) Extends the array for you.
  - d) Returns a value of NULL

6. What value is left in the variable `ttimes` after running this code?

```
String Quiz = "Some test text";
int ttimes = 0;
for (int stepper=0; stepper<Quiz.length(); stepper++)
    if (Quiz.charAt(stepper) == 't')
        ++ttimes;
```

- a) 4
- b) 13
- c) 1
- d) 2
- e) 12

## Answers

- 1. b
- 2. c
- 3. a
- 4. b
- 5. b
- 6. a