

## Multiple-Choice Quiz — Week 1

Java Trivia, CS History & Icebreakers

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**Question 1.** How many devices run Java?

- ☐ A) 3 billion
- ☐ B) All of them
- ☐ C) 7 million
- ☐ D) 67

**Question 2.** Which of these is the oldest programming language?

- ☐ A) Java
- ☐ B) Python
- ☐ C) C
- ☐ D) OCaml

**Question 3.** What do programmers hate the most?

- ☐ A) Timezones
- ☐ B) Pointers
- ☐ C) Showers
- ☐ D) Writing tests

**Question 4.** Who is typically called the father of computing?

- ☐ A) Alan Turing
- ☐ B) Charles Babbage
- ☐ C) Peter Bøgh Andersen
- ☐ D) Ada Lovelace

**Question 5.** Who is typically called the father of theoretical computer science?

- ☐ A) Alan Turing
- ☐ B) Charles Babbage
- ☐ C) Peter Bøgh Andersen
- ☐ D) Ada Lovelace

**Question 6.** Who is typically called the world's first programmer?

- ☐ A) Alan Turing
- ☐ B) Charles Babbage
- ☐ C) Peter Bøgh Andersen
- ☐ D) Ada Lovelace

**Question 7.** Who broke the Nazis' encryption technology (Enigma)?

- ☐ A) Alan Turing
- ☐ B) Charles Babbage
- ☐ C) Peter Bøgh Andersen
- ☐ D) Ada Lovelace

**Question 8.** Who is the lecturer in this course?

- ☐ A) Mathias
- ☐ B) Gerth
- ☐ C) Magnus
- ☐ D) Matthias

**Question 9.** Is this quiz fun?

- ☐ A) YES
- ☐ B) True
- ☐ C) 1
- ☐ D) No

**Question 10.** Who gave name to the Liskov substitution principle?

- ☐ A) Robert C. Martin
- ☐ B) Barbara Liskov
- ☐ C) Linus Torvalds
- ☐ D) All of the above

**Question 11.** Which of these numbers was **not** generated by me mashing my hand on the keypad?

- ☐ A) 541235123
- ☐ B) 2147483647
- ☐ C) 1531509237
- ☐ D) 159421

**Question 12.** What popular game is made in Java?

- ☐ A) Grand Theft Auto V
- ☐ B) Mario Kart Wii
- ☐ C) Fortnite
- ☐ D) Minecraft

## Answer Key — Week 1 Quiz

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Concept tested in *italics*.

- Q1** **A** *Java trivia.* Oracle has long marketed Java as running on “3 billion devices” (phones, servers, embedded systems, etc.) — a famous, slightly dated, slogan.
- Q2** **C** *Programming language history.* C dates to 1972, well before Python (1991) and Java (1995); OCaml (1996) is the youngest of the four.
- Q3** **A,B,C** *Icebreaker / humor.* A joke question with typically difficult CS concepts.
- Q4** **B** *CS history.* Charles Babbage designed the Analytical Engine and is traditionally called the father of computing.
- Q5** **A** *CS history.* Alan Turing’s formalization of computation (the Turing machine) underlies theoretical computer science.
- Q6** **D** *CS history.* Ada Lovelace wrote the first published algorithm intended for a machine (Babbage’s Analytical Engine), earning her the title of the world’s first programmer.
- Q7** **A** *CS history.* Alan Turing led the effort at Bletchley Park that broke the Enigma cipher during World War II.
- Q8** **C** *Meet the class.* Magnus Madsen is the lecturer for this course; the other names are deliberately similar-sounding distractors.
- Q9** **A,B,C** *Icebreaker / humor.* A joke question — “YES”, “True”, and 1 are all ways of saying yes.
- Q10** **B** *Software engineering history.* The Liskov substitution principle is named after Barbara Liskov, who introduced it in 1987.
- Q11** **B** *Spot the pattern.* 2147483647 is `Integer.MAX_VALUE` in Java — an unmistakably “designed” number.
- Q12** **D** *Java trivia.* Minecraft is written in Java (the original, and still most iconic, version); the other three are built with other engines/languages.