



INTRODUCTION TO COMPUTER PROGRAMMING AND JAVA ORIGIN

1 *What is machine-level language also known as?*

A

Binary code

B

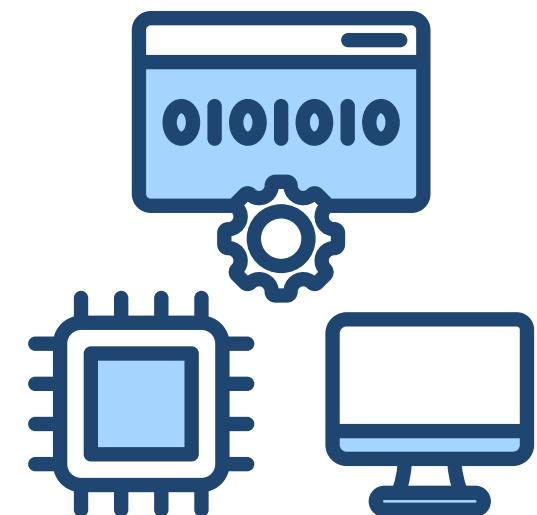
Assembly language

C

Low-level language

D

High-level language



2

What is a major disadvantage of machine-level programming language?

A

Direct control over hardware

B

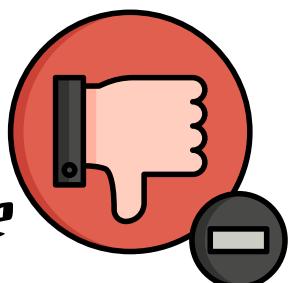
Easy readability

C

Highly specific to architecture

D

Portability across platforms



3

Which programming language provides more human-readable representation of computer instructions using mnemonics and symbols?

A

Machine code

B

Assembly language

C

Low-level language

D

High-level language



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Which type of programming language is closer to hardware compared to high-level languages?

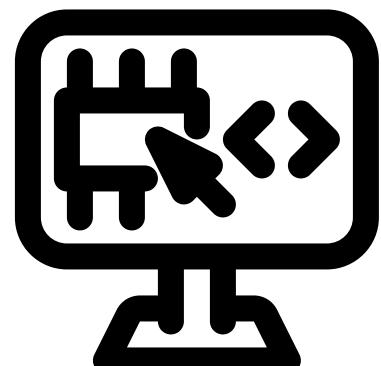
- A High-level language
- B Machine code
- C Low-level language
- D Assembly language



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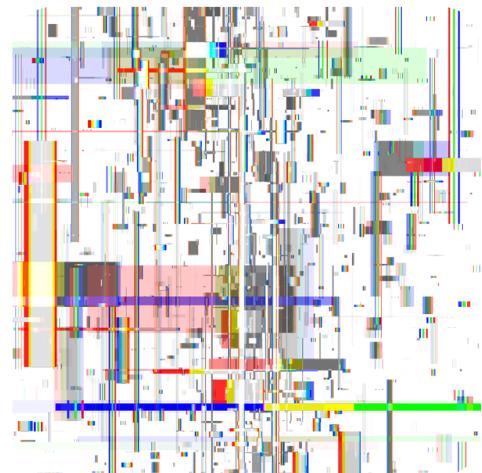
What do low-level programming languages like assembly use to represent operations and memory addresses?

- A Binary digits
- B Mnemonics and symbols
- C Mnemonics and letters
- D High-level abstractions



6 Which type of language offers higher-level abstractions while still allowing direct access to system resources?

- A** High-level language
- B** Machine code
- C** Mid-level language
- D** Low-level language



7 Which language is known for its use of mnemonics like MOV for move and ADD for addition?

- A** Java
- B** Python
- C** x86 Assembly
- D** COBOL



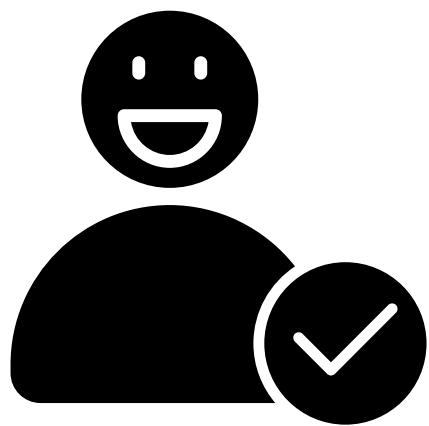
8

Which type of programming languages are designed to be more abstract and user-friendly?

- A** High-level language
- B** Low-level language
- C** Machine code
- D** Assembly language

What is a key advantage of high-level programming languages?

- A** Direct control over hardware
- B** Portability across platforms
- C** Closer to machine code
- D** Efficient use of system resources



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Which language introduced structured programming concepts like loops and blocks?



Fortran



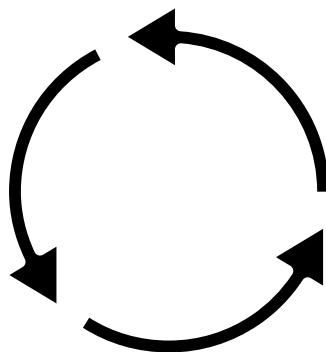
COBOL



ALGOL



LISP



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What is one of the characteristics of COBOL programming language?



Readability and English-like syntax



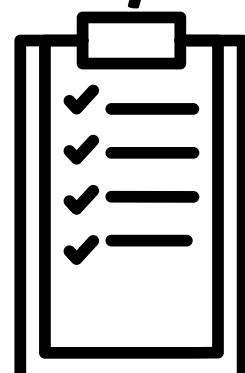
Designed for artificial intelligence research



Known for its use in scientific computing

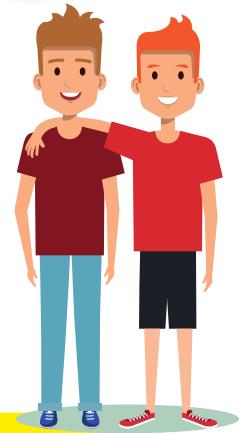


Supports dynamic typing



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Who were the creators of the Java programming language?



A

Bill Gates and Paul Allen

B

Steve Jobs and Steve Wozniak

C

James Gosling and Mike Sheridan

D

Linus Torvalds and Richard Stallman

13

When was Java officially announced to the public?

A

1985

B

1995

C

2005

D

2015



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What was the original name of the language before it was renamed to Java?



Oak



Pine



Maple



Cedar



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What is the slogan that highlights Java's platform independence?



Write Once, Run Anywhere (WORA)



Code Once, Execute Anywhere (COEA)



Compile Once, Deploy Anywhere (CODA)



Execute Once, Deploy Anywhere (EODA)



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What component is required to execute Java bytecode on a specific platform?



Java Compiler



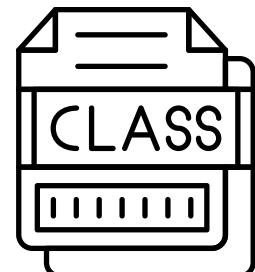
Java Compiler



Java Virtual Machine (JVM)



Java Runtime Environment (JRE)



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What feature of Java allows it to be platform-independent?



Just-In-Time (JIT) Compilation



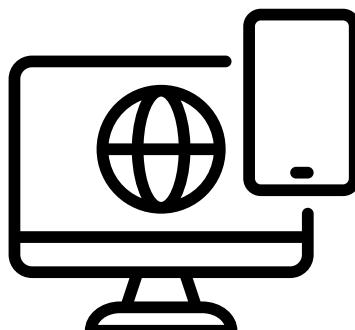
Write Once, Run Anywhere (WORA)



High performance optimization



Direct hardware control



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Which company acquired Sun Microsystems, taking over the development of Java?



IBM



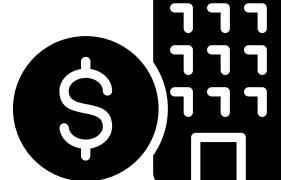
Microsoft



Oracle Corporation



Google



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What was the original purpose of the "Green Project" initiated by Sun Microsystems?



To develop a programming language for interactive television



To create a new operating system



To develop a mobile application platform



To design a graphics processing unit



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What is an advantage of machine-level programming language?



Portability



Direct control over hardware



Easy readability



High-level abstraction



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What is an advantage of high-level programming languages?



Direct control over hardware



Portability across platforms



Closer to machine code



Efficient use of system resources

