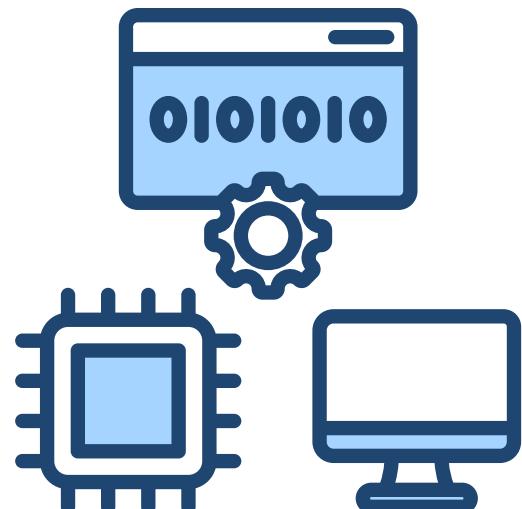




INTRODUCTION TO COMPUTER PROGRAMMING AND JAVA ORIGIN

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
- B
- C
- D

Direct control over hardware

Easy readability

Highly specific to architecture

Portability across platforms



3

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

- A
- B
- C
- D

Machine code

Assembly language

Low-level language

High-level language



4

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

- A**
- B**
- C**
- D**

- High-level language*
- Machine code*
- Low-level language*
- Assembly language*

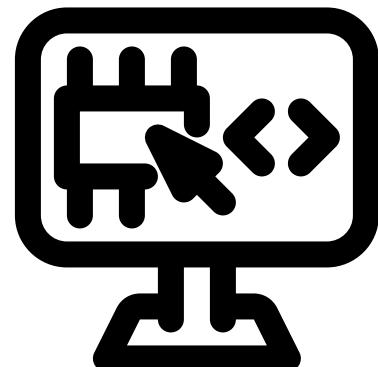


5

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

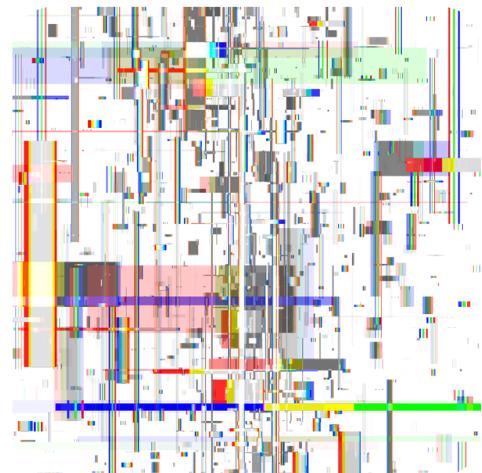
- A**
- B**
- C**
- D**

- Binary digits*
- Mnemonics and symbols*
- Mnemonics and symbols*
- 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

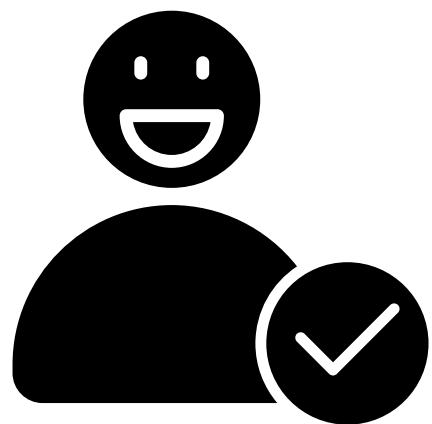


8

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

- A**
- B**
- C**
- D**

- High-level language*
- Low-level language*
- Machine code*
- Assembly language*



9

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

- A**
- B**
- C**
- D**

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



10

Which language introduced structured programming concepts like loops and blocks?



Fortran



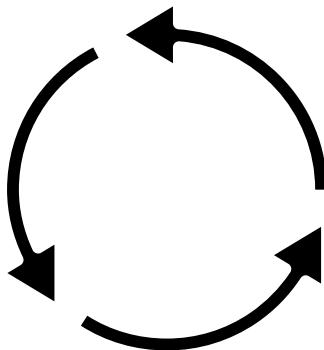
COBOL



ALGOL



LISP



11

What is one of the characteristics of COBOL programming language?



Readability and English-like syntax



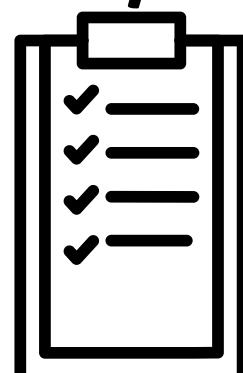
Designed for artificial intelligence research



Known for its use in scientific computing

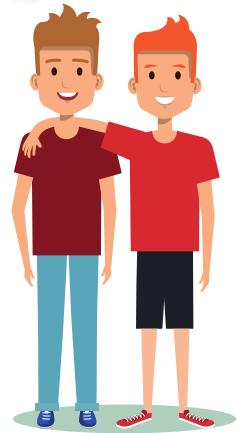


Supports dynamic typing



12

Who were the creators of the Java programming language?



- A
- B
- C
- D

- Bill Gates and Paul Allen*
- Steve Jobs and Steve Wozniak*
- James Gosling and Mike Sheridan*
- Linus Torvalds and Richard Stallman*

13

When was Java officially announced to the public?

- A 1985
- B 1995
- C 2005
- D 2015



14

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

- A Oak
- B Pine
- C Maple
- D Cedar



15

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

- A Write Once, Run Anywhere (WORA)
- B Code Once, Execute Anywhere (COEA)
- C Compile Once, Deploy Anywhere (CODA)
- D Execute Once, Deploy Anywhere (EODA)



16

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



Java Compiler



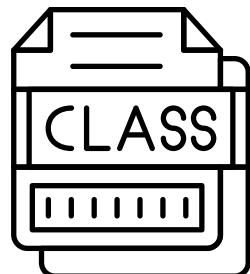
Java Compiler



Java Virtual Machine (JVM)



Java Runtime Environment (JRE)



17

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



Just-In-Time (JIT) Compilation



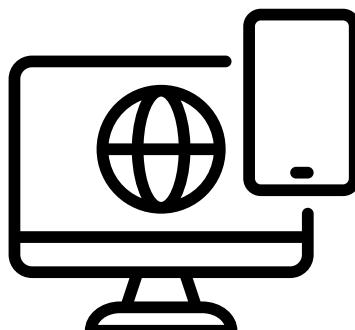
Write Once, Run Anywhere (WORA)



High performance optimization



Direct hardware control



18

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



IBM



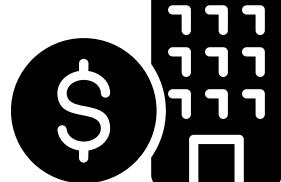
Microsoft



Oracle Corporation



Google



19

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



20

What is an advantage of machine-level programming language?



Portability



Direct control over hardware



Easy readability



High-level abstraction



21

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