Assignment: - 1: Introduction to Computer programming and Java Question and Answer

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

=> Binary code

2. What consists of instructions directly executed by a computer's hardware?

=> Assembly code

3. What is an advantage of machine-level programming language?

=> Direct control over hardware

4. What is a disadvantage of machine-level programming language?

=> Easy for humans to read and write

5. What is one step above machine code in programming languages?

=> Assembly language

6. What do low-level programming languages use to represent operations and memory addresses?

=> Mnemonics and symbols

Assignment: - 1: Introduction to Computer programming and Java Question and Answer

7. Which type of programming language provides a balance between low-level and high-level languages?

=> Mid-level language

8. In which language are instructions represented using mnemonics like MOV for move and ADD for addition?

=> x86 Assembly Language

9. What type of programming languages provide powerful constructs for solving complex problems?

=> High-level language

10. What is an advantage of high-level programming languages?

=> Portability across platforms

11. Which language introduced structured programming concepts like loops and blocks?

=> ALGOL (Algorithmic Language)

12. Which programming language is known for its readability and English like syntax?

=> COBOL

Assignment: - 1: Introduction to Computer programming and Java Question and Answer

13. Who were the creators of the Java programming language?

=> James Gosling and Mike Sheridan

14. When was Java officially announced to the public?

=> 1995

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

=> Oak

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

=> Write Once, Run Anywhere (WORA)

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

=> Java Compiler

18. What feature of Java allows it to be platform independent?

=> Write Once, Run Anywhere (WORA)

19. Which company acqured Sun Microsystems, taking over the development of Java? => Oracle Corporation

Assignment: - 1: Introduction to Computer programming and Java Question and Answer

20. What consists of sequences of binary digits (0s and 1s) that directly control the computer's hardware?

=> Bytecode

21. Which programming language is one step above machine code?

=> Assembly language

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

=> Highly specific to architecture

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

=> Low-level language

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

=>Low-level language

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

=>Mnemonics and symbols

Assignment: - 1: Introduction to Computer programming and Java Question and Answer

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

=>Mid-level language

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

=> x86 Assembly

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

=>High-level language

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

=>Portability across platforms

30. Which language introduced structured programming concepts like loops and blocks?

=> ALGOL (Algorithmic Language)

31. What is one of the characteristics of COBOL programming language?

=> Readability and English-like syntax

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

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

=> To develop a programming language for interactive television

40. What is machine-level language also known as?

=> Binary code

41. What is an advantage of machine-level programming language?

=> Direct control over hardware

42. What is a disadvantage of machine-level programming language?

=> Requires deep understanding of computer architecture

43. What is one step above machine code in programming languages?

=> Assembly language

44. What do low-level programming languages use to represent operations and memory addresses?

=> Mnemonics and symbols

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Assignment: - 2: Core Java Question and Answer

1. How to find out system bit size?

=> By right clicking on computer and then going to properties

2. which software will be automatically installed while installing JDK?

=> Public JRE

3. which env variable is required to specify command's location?

=> Set Command

4. which command is used to set env variable in the command prompt?

=> Path

5. which command is used to read env variable in the command prompt?

=> Echo

6. How many ways are there to set path env variable?

=> 2

Assignment: - 2: Core Java Question and Answer

7. which way of setting a path will be local to the current command prompt?

=> In my computer under system level

8. which way of setting a path will be to the current user and all of his every session?

=> In my computer under user level

9. which way of setting a path will be to every user?

=> Through set command

10. Why do we need to set the path?

=> In order to specify the commands location

11. how to know the version of JDK?

=> JDK version

12. which folder of JDK contains the commands?

=> Javac

13. which command is used to compile java program? => Javac

14. which command is used to run java program?

=> Java

15. what is the file extension to java program?

=> .Java

16. Which type of file will be developing by Javac command?

=> Java

17. Which type of file will be using by java command to run?

=> Class

18. From which location we have to trigger Javac command?

=>From the place where java file is saved

19. From which location we have to trigger java command?

=> From the place where java command available

Assignment: - 2: Core Java Question and Answer

20. what is the order of the commands to be triggered?

=>First javac and then java

21. Which option of javac command is used to specify different location for class files?

=> d

22. Which option of java command is used to specify class file's location? => d

23. Which option of java command is used to find out version of JDK? => -Version

24. Which option of java command is used to find out all options and their description?

=> Help

25. Which command is used to change the current directory in the command prompt?

=> cd

26. Which command is used to move to parent of the current directory? => cd ..