Image containing Diagram

Automatically generated description

STATEMENTS

Unit 1. Basics

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **A finite set of instructions that allow solving a problem is called:** |
| **Answer:** | |
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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **An algorithm written in a programming language is called:** |
| **Answer:** | |
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| **Multiple selection** | | | | |
| **Unit** | | **Unit 1** | | |
| **Punctuation** | | **1** | | |
| **Utterance** | | **They are programming languages:** | | |
|  | | | | |
| **Answers:** | | | **True** | **False** |
| **1.** | English. | |  |  |
| **2.** | Java. | |  |  |
| **3.** | Esperanto. | |  |  |
| **4.** | C. | |  |  |
| **5.** | Fortran. | |  |  |

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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The text file with the instruction set of a program, written by a programmer, is called**: |
| **Answers** | |
| (a) Source code. | |
| b) Machine code. | |
| (c) Executable code. | |
| (d) Object code. | |

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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The code resulting from the process of compiling a program into source code is called**: |
| **Answers** | |
| (a) Natural code. | |
| b) Machine code. | |
| c) Programmable code. | |
| (d) Final Code. | |

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The operation of converting the source code of an entire program into a file written in executable code is called:** |
| **Answer:** | |
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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The process of translating a source code, instruction by instruction as it is executed, is called:** |
| **Answer:** | |
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| **Complete** | | |
| **Unit** | **Unit 1** | |
| **Punctuation** | **1** | |
| **Utterance** | **Choose the word that completes the following statement:** | |
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| **Text to be completed:** | | |
| **In the world of programming, a platform is known as \_\_\_\_\_\_\_ where a program is executed.** | | |
| **Answers:** | | **Correct** |
| (a) the hardware equipment. | |  |
| (b) the operating system. | |  |
| (c) the workplace. | |  |
| (d) the combination of hardware and operating system. | |  |
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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The java compiler generates a code**: |
| **Answers** | |
| a) Bytecode. | |
| b) In java programming language. | |
| c) In fortran language. | |
| (d) In English. | |

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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The bytecode code is read and executed by**: |
| **Answers** | |
| a) The word processor. | |
| (b) The compiler. | |
| c) The java virtual machine. | |
| (d) The interpreter. | |

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| **Multiple selection** | | | | |
| **Unit** | | **Unit 1** | | |
| **Punctuation** | | **1** | | |
| **Utterance** | | **They are development environments:** | | |
|  | | | | |
| **Answers:** | | | **True** | **False** |
| **1.** | Office. | |  |  |
| **2.** | Windows 10. | |  |  |
| **3.** | Ubuntu. | |  |  |
| **4.** | Netbeans. | |  |  |
| **5.** | Eclipse. | |  |  |

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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **The main program in a java application is**: |
| **Answers** | |
| a) The longest method. | |
| (b) The method invoked by all others. | |
| c) The main() method. | |
| (d) The run() method. | |

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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **In java language are reserved words**: |
| **Answers** | |
| a) Those that cannot be used. | |
| b) Those that have a special meaning and cannot be used for other purposes. | |
| c) Machine language. | |
| d) Those of the operating system. | |

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **In java, a magnitude identified with a name and assigned a value that can change, is called:** |
| **Answer:** | |
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| **Multiple selection** | | | | | |
| **Unit** | | | **Unit 1** | | |
| **Punctuation** | | | **1** | | |
| **Utterance** | | | **Which of the following variable identifiers are allowed in java?** | | |
|  | | | | | |
| **Answers:** | | | | **True** | **False** |
| **1.** | \_longitude\_. | | |  |  |
| **2.** | Capacity$maxima\_. | | |  |  |
| **3.** | capacity.maxima. | | |  |  |
| **4.** | capacity-maximum. | | |  |  |
| **5.** | volume:minimum. | | |  |  |
| **Multiple selection** | | | | | |
| **Unit** | | **Unit 1** | | | |
| **Punctuation** | | **1** | | | |
| **Utterance** | | **Which of the following types are primitives in java?** | | | |
|  | | | | | |
| **Answers:** | | | | **True** | **False** |
| **1.** | Integer. | | |  |  |
| **2.** | String. | | |  |  |
| **3.** | Int. | | |  |  |
| **4.** | Character. | | |  |  |
| **5.** | Char. | | |  |  |

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **How do we call those variables that, once initialized, cannot change their value?** |
| **Answer:** | |
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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **What is the java API?** |
| **Answers** | |
| (a) A development environment. | |
| b) An application for debugging errors. | |
| c) A library of programming tools designed by java developers. | |
| d) Website. | |

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| **Simple selection** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **What is the Scanner class?** |
| **Answers** | |
| a) A device for scanning text and images. | |
| b) A class whose objects are used to interpret image files. | |
| c) An API tool used to read and interpret text. | |
| d) A class created by the user. | |

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **What do we call the operation by which a value is saved in a variable?** |
| **Answer:** | |
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| **Multiple selection** | | | | |
| **Unit** | | **Unit 1** | | |
| **Punctuation** | | **1** | | |
| **Utterance** | | **Which of the following operators in java are arithmetic?** | | |
|  | | | | |
| **Answers:** | | | **True** | **False** |
| **1.** | && | |  |  |
| **2.** | % | |  |  |
| **3.** | = | |  |  |
| **4.** | -- | |  |  |
| **5.** | / | |  |  |

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| **Multiple selection** | | | | |
| **Unit** | | **Unit 1** | | |
| **Punctuation** | | **1** | | |
| **Utterance** | | **Which of the following operators in java are relational?** | | |
|  | | | | |
| **Answers:** | | | **True** | **False** |
| **1.** | < | |  |  |
| **2.** | == | |  |  |
| **3.** | = | |  |  |
| **4.** | ǃ | |  |  |
| **5.** | + | |  |  |

| **Order** | |
| --- | --- |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **Sort the following operators in order from lowest to highest precedence:**   |  |  | | --- | --- | | **&&** |  | | **=** |  | | **%** |  | | **==** |  | | **+** |  | |

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **When, in an assignment, the assigned value is larger than the size of the variable to which it is assigned, we speak of a type conversion of:** |
| **Answer:** | |
|  | |

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| **Open-ended text** | |
| **Unit** | **Unit 1** |
| **Punctuation** | **1** |
| **Utterance** | **When, in an assignment, the assigned value is smaller than the size of the variable to which it is assigned, we speak of a type conversion of:** |
| **Answer:** | |
|  | |