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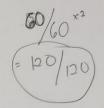
symbols

chart o



School of Computing and Information Technologies

PROGCON - CHAPTER 2



CLASS NUMBER: #18

NAME: Reyes, Niel Angelo

SECTION: AC 192 DATE: NOV 8

PART 1: Identify the following.

_ 1. A classification that describes what values can be assigned, how the variable is stored, and what types of operations can be performed with the variable.

Hierarchy chart. A diagram that illustrates modules' relationships to each other.

Data Digionary 3. A list of every variable name used in a program, along with its type, size, and description.

Functional conesian measure of the degree to which all the module statements contribute to the same task.

5 A message that is displayed on a monitor to ask the user for a response and perhaps explain how that response should be formatted.

Portable module that response should be roused in multiple programs.

A module that can more easily be reused in multiple programs.

A number with decimal places.

8. A program component's name.

Numeric constant 9. A specific numeric value.

<u>Declaration</u> 10. A statement that provides a data type and an identifier for a variable.

Hung arian notations 12. A variable-naming convention in which a variable's data type or other information is stored as part of its name.

12. A whole number.

Binary operator 13. An operator that requires two operands—one on each side.

Magic number 14. An unnamed constant whose purpose is not immediately apparent.

Assigns a value from the right of an assignment operator to the variable or constant on the left of the assignment operator.

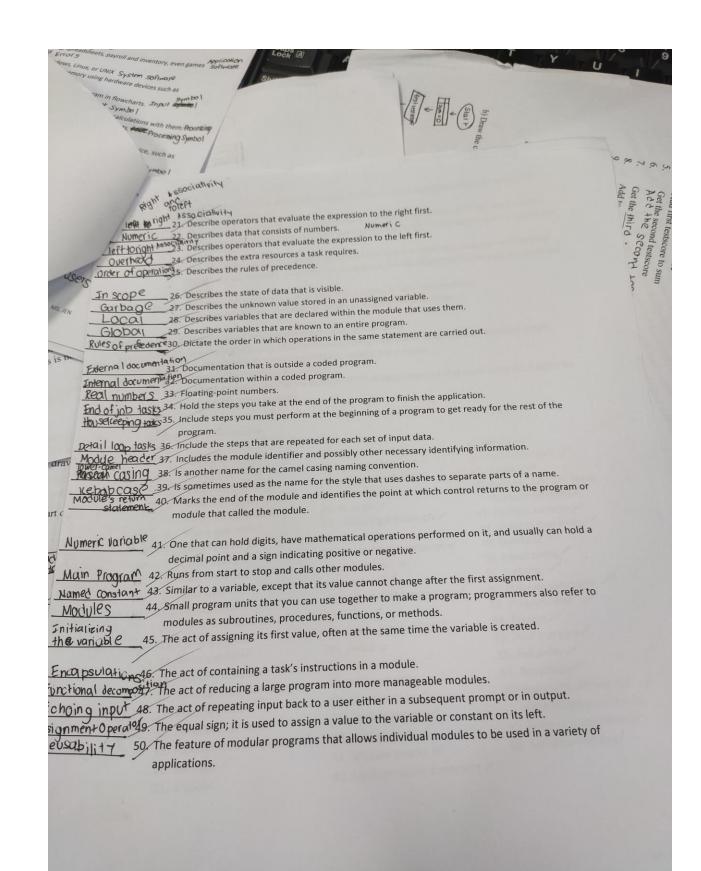
Alphanumeric Valve 16. Can contain alphabetic characters, numbers, and punctuation.

17. Constitute the limited word set that is reserved in a language.

Module \$ 660 x 18. Contains all the statements in the module.

Annotation Symbol 19 Contains information that expands on what appears in another flowchart symbol; it is most often represented by a three-sided box that is connected to the step it references by a dashed

Self documenting 20. Contains meaningful data and module names that describe the program's purpose.



Pascal

Reliabin 1451 The feature of modular programs that assures you a module has been tested and proven to

function correctly.

Comel cosing 52. The format for naming variables in which the initial letter is lowercase, multiple-word variable names are run together, and each new word within the variable name begins with an uppercase

Casing 53 The format for naming variables in which the initial letter is uppercase, multiple-word variable names are run together, and each new word within the variable name begins with an uppercase

Mainline logic 54. The logic that appears in a program's main module; it calls other modules. 55. The memory address identifier to the left of an assignment operator.

Modularization 56. The process of breaking down a program into modules.

Abstraction 57. The process of paying attention to important properties while ignoring nonessential details.

call a module 58. To use the module's name to invoke it, causing it to execute.

Program level 59. Where global variables are declared.

Program comments. Written explanations that are not part of the program logic but that serve as documentation for those reading the program.

Choose from the following

1.	Abstraction	1

- 2. Alphanumeric values 🗸
- 3. Annotation symbol ✓
- 4. Assignment operator /
- 5. Assignment statement
- 6. Binary operator /
- 7. Call a module x
- 8. Camel casing /
- 9. Data dictionary
- 10. Data type /
- 11. Declaration/
- 12. Detail loop tasks /
- 13. Echoing input /
- 14. Encapsulation/
- 15. End-of-job tasks / 16. External documentation 🗸
- 17. Floating-point
- 18. Functional cohesion
- 19. Functional decomposition
- 20. Garbage /
- 21. Global

- 22. Hierarchy chart/
- 23. Housekeeping tasks/
- 24. Hungarian notation /
- 25. Identifier ≺
- 26. In scope /
- 27. Initializing the variable /
- 28. Integer/
- 29. Internal documentation 🗸
- 30. Kebob case 🗴
- 31. Keywords 🗸
- 32. Left-to-right associativity 🗸
- 33. Local /
- 34. Lower camel casing /
- 35. Lvalue /
- 36. Magic number -
- 37. Main program
- 38. Mainline logic
- 39. Modularization
- 40. Module body ✓
- 41. Module header 🗸
- 42. Module return statement /

- 43. Modules /
- 44. Named constant
- 45. Numeric ✓
- 46. Numeric constant (literal numeric constant) /
- 47. Numeric variable /
- 48. Order of operations
- 49. Overhead /
- 50. Pascal casing
- 51. Portable /
- 52. Program comments
- 53. Program level
- 54. Prompt /
- 55. Real numbers
- 56. Reliability /
- 57. Reusability
- 58. Right-associativity and right-to-left associativity
- 59. Rules of precedence 🗸
- 60. Self-documenting√



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PART 2: Identify whether each variable name is valid, and if not explain why.

a) Age is valid other than under score () so in this case that is the special character allowed in variable names are prohibited in variable names some special characters allowed so in this case the plus sign (t) so in this case the plus sign (t) is the special character that is the special character that is invalid - po other special characters allowed b) age_* so in this case the plus sign Ct)

so in this case the plus sign Ct)

is the special character that

are prohibited in variable name?

and that make the variable invalid is invalid is valid e) _age valid f) Agé vatid Here the number 1 is first which is wrong because invalid - Variable name should start with letter g) lage is invalid - and to correct this, it must have an underscore to h) Age 1 it making it Age_1 or make it Age1

2nd TERM, AY2019-2020

MS. JEN

corrected by: sophia