| | ELG1 |
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| | |
| _ | Chapter 1 - Variables and datatypes |
| 1 | Just like we have some rules that we follow to |
| | Just like we have some rules that we follow to speak english (the grammar), we have some rules to follow while writing a Java program. The set of these rules is ralled syntax. |
| | follow while writing a Java program. The set |
| | of these rules is scalled syntax. |
| | Vocabulary & Grammar of Java. |
| | Vac all a |
| | Variables A variable is a container that stores a value |
| 165 | This yelve can be should during the execution |
| | This value can be changed during the execution of the program |
| | 1 minutes 1 minu |
| | int number = 8; Value it Stores! |
| | Data type variable name |
| | The final transfer of the first the |
| Arrest . | Rules for declaring a variable name |
| The same | We can choose a name while declaring a Java Variable if the following rules are followed: |
| | The state of the s |
| 17 | Must not begin with a digit - int larry: is invalid! |
| 77 | Name is case sensitive -> harry and Harry are different |
| 37 | Name is case sensitive -> harry and Harry are different! Should not be a keyword (like Void) |
| 4, | White Space not allowed int Code With Harry; is invalid |
| 57 | White Space not allowed - int Code With Harry; is invalid Can contain alphabets, & character, _ character and digits if the other conditions are met |
| | the other conditions are met |
| | DI TI |
| | Data types in layer fall under the following coleranise |
| 1- | Data Types Data types in Java fall under the following Categories Primitive Data Types (Intrinsic) Non-Primitive Data Types (Derived) |
| 17 | Non-Primitive Data Tubes (Derived) |
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| | Primitives Data Types ralland - raided | |
| 1 | Primitive Data Types Java is Statically typed> Variables must be declared by There are 8 primitive data types supported by Jav byte -> Value ranges from -128 to 127 • Takes 1 byte | ela |
| 153 | byte -> Value ranges from -128 to 127 | a |
| 475 | · Takes 1 byte | _ |
| seperal ser | · Default value is 0 | _ |
| 2> | Short - Value ranges from - (2 1/2 to (2)/2 -1 • Takes 2 by ks • Defoult Value is 0 | _ |
| | · Takes 2 bytes | _ |
| 91 | The Country Country to the Country of the Country o | _ |
| 3, | int -> · Value ranges from $(2^{32})/_2$ to $(2^{32})/_2 - 1$ • Takes 4 byks • De fault value is 0 | |
| | · Takes 4 byks | |
| | De fault value is our tr | |
| 4 > | float -> · Value ranges from (See Docs) · Takes 4 by ks | |
| 11. | · Takes in the bytes o manalist the date | _ |
| J. 14 1 1 1 1 | Default value visa Diof wards has | |
| 5, | long - value ranges from - (2 1/2 to (2 4)/2 - | - |
| 11 | · Takes 8 by les mind mind to sail | |
| To: Yell | • Default Value is 0 | - |
| 6, | double > Value ranges from (sec docs) | _ |
| d | shell be Takes 8 bytest & indust similar in | _ |
| | · Default Value is ood | _ |
| 7, | char → Value ranges from 0 to 65535 (21-1) | _ |
| 3.8 | Char → Value ranges from 0 to 65535(2-1) Takes 2 bytes → because it supports u De foult value is 'vuccoo' | nil |
| | • De foult Value 15 '100000' along and | _ |
| | The second of th | _ |
| | | نسر |

| | Keywords Words which are reserved and used by the Java Compiler. They cannot be used as an Identifier. |
|---------|--|
| | Words which are reserved and used by the Jap |
| | Compiler. They cannot be used as an Identifier. |
| | \\ |
| 1 | Go to cocs.oracle. Com for a comprehensive list! |
| | Reading data from the Keyboard |
| | In order to read data from the keyboard, Java |
| | has a scanner class. |
| | Scanner Class has a bit of methods to read the |
| | data from the keyboard |
| | The and the foots (minute) in the constant |
| | Scanner S = new Scanner (System in) |
| | Kend How the Paul and |
| 7 4 | |
| - C 1 | Method to read from the keyboard |
| 10h 3 | (Integer in this case) |
| all his | ic need to confuse the more way was in |
| | Exercise 1.1 |
| 4.1.7 | Write a Program to Calculate percentage of a given Student in CBSE board exam. His marks from 5 |
| Lind Dy | Attach in LDSE board exam. His marks from 5 |
| | Subjects must be taken as input from the keyboard. |
| | (Marks are out of 100). |
| | MONAL FADRAL - 101. |
| | Jakin trait + 7101 |
| | Towns to be a series with Acres (- South |
| | Marie Many to A |
| 0 | January to the state of the sta |
| | there is not be a fixed |
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