| Dant   |
|--|
| Open Source general by by bas parameter language   |
| developed by coocle:   |
| Den Source general Purpose Programming language developed by google.  Supports application development in both |
| Client & Josses Stde.  |
| bears a Strong nesemblance to Javo, C4 J3.   |
| - launched 9n 2011, became Potulars after 2015.  |
|  |
| Dant SDK   |
|  |
| Dant dant2 chiect Ordented  VM Ss. Programming Language  |
| <u>08.</u> 1 0 0   |
| Compriation: don't < file-name> **   |
| _ · · · · · · · · · · · · · · · · · · ·  |
| Comments: Portions of the ede, not executed by   |
| The compiler. They are kept as a description   |
| of the Program.  |
| They are a set of statements which provide   |
| Provide a proper documentation of the Gode.  |
| Types of don't Comments:   |
| 1) Single line comment (//) & Used to comment until  |
| a break occurs.  |
|  |
| 2) Oarst Multilune comment (14 */): Used to  |
| Commenta Whole Section of the code.  |
| Stant  |
| Stant ]  |
|  |
| // Thus is a Single line.  |
| / <del>*</del>   |

\* This is \* multiline

Ar/

Documentation Comments & Steered comments used to provide neferences to Packages . A sevent oct of pour of the 1) // -> C# Style 1 = 100 part a health of 2) / \*\* A/ -> Javadac Style. Vapiables in Dapt & It is a name assigned, to a memony Location, where the user Stones data. The data can be fetched any time by calling the name of the variable. There are various types of variables that Stone vanious types of data. The Parsable we Shall use, depends on the type of data to be Stone. To declare a parsiable (Variable\_name) Types of Vansables Aule 9 Integer (-1,1,6,2,...) 9) Variable names can't be Double (1.23, 6.11, 2.3, ...) identifiens on key wonds. Strong (a", "name") PS Vaniable names can conteur althobets on numbers. Booleans (trove, false) off) Cannot contain Spaces on Special Characters, except List Dank Tong Mapa equal (v) Variable names cannot begin with numbers don't supports type checking in and the said with surprise private costs beginned at tome to bour

reywoods

A Standard Set of neserved words, whose functions name Proedefined. They cannot be used as variable

|          | 1         | The second |           |               |          |
|----------|-----------|------------|-----------|---------------|----------|
| abstract | continue. | neto       | this      | -0.9          | false    |
| troue;   | - Final   | null       | Jefault   | A LINE        | finally  |
| 'Oatch   | do        | for        | troy      | Throw         | get      |
| dynamic  | nethrow   | typedef    | 94        | catch<br>else | 0        |
| neturn   | brocal-   | enum       | void      |               | Van      |
| double   | 6001      | list       | ALT VALUE | Pn+           | Strong : |
| Switch   | Case      | Cohrle     | map       | 9m Plements   | set"     |
| 9n       | extennal  | this       | State     | PmPost .      | export ! |
| extends  | 9,8       | ~          | SuPen     | WPSh          | elass    |
|          | - 1       | Const      | gield     | factory       | 9911     |
|          |           |            |           | 0             | 0        |

Datatypes

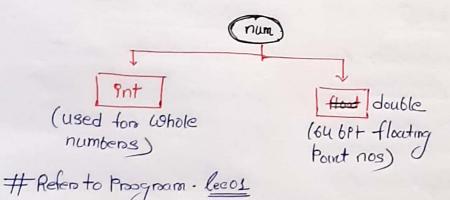
a Vaniables Stones Some data, which can be numbers, textual data on logic (troue | False).

- Each Janiable is preceded with a datatype that determines the type of data to be stoned. <a href="https://data-typescharge-names">data-typescharge-names</a>

- L. In 'Dant' we have special heywoods to defenmene, the data type for each Vaniable.
- La Sence dant is a Statically typed on language the datatype of a variable is decided before nuntime. and cannot be changed laters, during rounding.

| Datatype | Keywood                     | Description   |
|----------|-----------------------------|---|
| Numbers  | Pnt, double,<br>num, BigInt | used to netrocsent, numerical literals (1,2,3,6.403, etc) |
| Text     | Strong                      | "Pokemon", 'abe', "andy" ete.                             |
| Booleans | bool                        | he Proesents boolean Values<br>trove on false.            |
| LPst     | List                        | ondened groups of objects. [11213], ["a", "b", "c")       |
| Mats     | Мар                         | helpesonts a set of key value haves.                      |

Numbers: used to hold numerical data



Text: used to stone textual data, to methorsent text,
The strong Keyword is used.

L. A Straing 9s a Sequence of Characters. (UTF-16).

A strong can be netrosented using Single quotes (")

double quotes ("")