## Data types en Java

Data Type:

Data type un java aux of different Bizes and Malues that can be Stored un the available that us made per Convenience.

There are two types:

D Polimitive Data type:

Single qualues that have one Special capabilities.

- (i) Boolean data type:
  vicpoierents only bit of unformation whether
  "time" or "false". Syntax: boolean boolean Vari;
- (ii) Byte data type:

  8 bit Bigned two's Complement unteger useful for Lawing memory un large average.

  Syntan: byte byte var:
- (iii) Short data type: Sto 16-bit Signed Twos Complement, unteger. Syntam: Short short vor;
- (iv) Integer data type:

  32-bit Signed two's Complement unteger

  Syntau: int int var;
- (v) Long data type:

  by-bit two's Complement in leger, 8 byle.

  Syntan: Long Longvare;
- (VI) Float data type:

  Single prierision 32-bit IEEE 754 Hoating point.

  Syntan: Hoat Hoatvar;

```
754 Hoating
                         bu-bit IEEE
      double priecision
                        double onari;
       Syntan: double
(Viii) Charl data type
             16-bit unicode Character
               Syntan: Charl charvase;
  of 2 bytes.
Example: Byte Data
                 Byte f
Debuc Clars
      public Static void omain (String [] orgs) {
      byte nsa;
       n=127;
       System. out . porint la (n);
      2 System. out. pointle (a):
 2) Short Data:
   public clars prim !
     public Static avoid maior (string [] avegs) {
     Short n=3435,
      System. out. println(n);
```

Non-Pormitive data type: (i) Strings: -> average of characteres -> designed to hold bequence of characteres Syntan: 2 string - type > < String available >= " < sequence of strings ? "; 2) clas: -> user defined blue print or prototype from which objects are viealed. 3) Object: -> Basic unit of object oriented programming and depresents deal-life entities 4) Interface: -> Methods delaved un an unterface are by defauct abstract Example: Public Clay String & Public Static Void main (String[] augs) { String Str = " Hello"; String substr = Str. Substring (0,5); System. out . printfn (Substr);