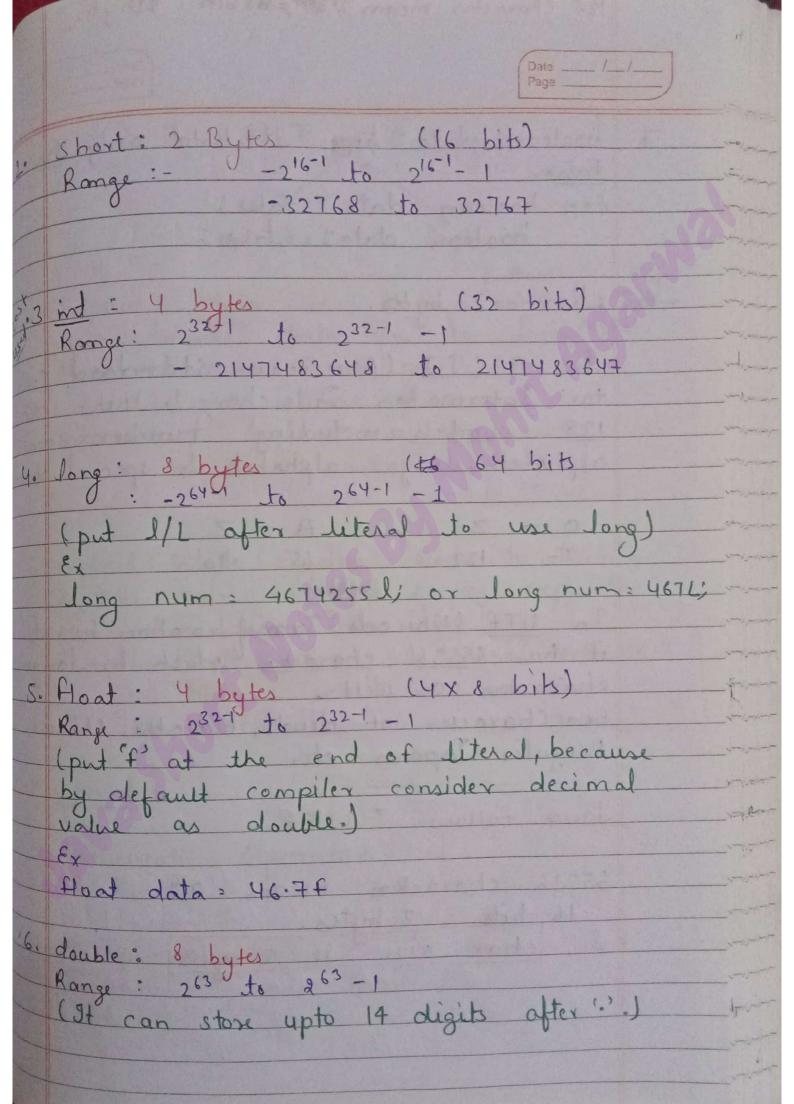
int age = 18;

Interpretation of as the name of memory allocated reserved area It may be through of as the name of memory allocated reserved area It may be through of as the name of memory Joeanness

only & and - (under store) is used for in names. Exitno- of - students; , - name; ex. string dollars; , \$ age; while the java program is running, the value is held in a container. To identify the storage location, each variables needs to have a special name. A data type is assigned to a variables (we will learn about it after this topic). Syntax For Declaring a Variable data-type name = value; Some wrong format and Rules. x int 2 age = 10; (wrong format) can't initialize with number) (Variable name). X int 2 age = 20; (can't initialize same name varible again) int aget = 20; (number can be further used except beginning). ---X int first Name; a Motor (can't give space blue variables names). Use camel Case Ers first Name, total No Ofstudents.

Data lype Primetive Data types Non-Primitive Data ty 1 Primitive data types: The primitive data type include boolean, char, byte, short, int long, flo and double. Non-primitive data type: The non-primitive data types include clanes, String, Interfaces and Arrays. Primitive Data TYPES Range -2^{h-1} Ronge => ind byte data = 28; byte data = 130; not possible out of ro



128 characters means 28 = 168 bits = \$1 by tes 7 boolean data type: It hold only true Ex+ boolean data = False; boolean data1: true; 8 Char: 2 bytes. In ASCII (American Standard Code for Information Interchange, there are 128 symbols including numbers, small alphabets, large alphabets & special charact a-z A-z97 122 65 90 In UTF Unicode Transformation Format it has 65536 character which in language characters as well. Ex+ Character of Hindi, Marathi, Chinese, Bengali, Japanes etc. Java follow & UTF. 65536 characters means 216 16 bits: 2 bytes. So, char size is 2 bytes.