6th Semester CSE - BIET 1 -> C 2 -> Python 3 -> (Java) Se DSA in C 4 -> ADA -> C + DBMS + S&L 5 -> X 5- Java + Swings + Soulets + Geneius + JDBC (C+++ Basics) Job + VTU (C+C+++ Java+ Python) Basius OOPs+ Exceptions History of Phogramming Languages: > Ada Lovelace UNIX uc tup 1942 -> Dens Ritchie Ee histeam + A + modifications -> B 30 years B+ modifications -> C = 1972 -> Clanguage was introduced 1st std version -> 1989 -> ANSI - C American National Standards Institute C+ SIMULA Bjærne Stroustrub Mondy Python Flying Circus 1991 -> Rython -> Yvido van Rossum C+C++ = Java) 1995 [James L) coffree Brand Crosling] Sun Microsystems - Oracle GSSIETW Aph+ Coding + F2F+HR Data Types: -> Enumerated Derived Primary Void Short int long JINT-MAX
128 & 127 Not Strings built in Chas [] = enum Name Constants Mon - Sun Froat 4 d SINT-MIN Mary blue Jan - Dee clouble 8 Integer Mary My R, B, C1, Y Character int -> default S'B', 11', E, T, int -> default 4 bytes 0-start CH'Class" C/C++Java / Python manual = garbage collection us pointers auto = garbage estlection gnu | qcc | ming w editor compiler libraries executable Demo. java -> (gavac) Demo. java Demo class Compilation Symbolic * Hash Table Language SHA - 256 bifs -> Bytecode byte code) ava Just In Time JVM vode Windows Linux Platform compiler Compilation - jawac Indefendent JOK + Path Vais Rus in any Os' Interpretation -> [JVM] 50 C+ I Java Lis Just in Time Compiler bytecode — java løde String[] data = \(\text{"cst"}, "ISE" \\ \; String[] avgs
name data [0] data [1] -> check the main function wooking. UNIT Testing Data Types in Java (Intellig IDBA) Non-Primitive/Référence Rimitive (Simple values) String Date Array List Shoot L) Complex Objects long double boolean Operators Conditionals Looping Statements Methods OOR Concedts Exceptions & Exception Handling