Semester - VII - ISE: (C++)Ist Sem oc 22 Sem of Python 3rd Sem - Java DAA in C 4th Sem , DBMS + Advance Java - Collections Est. Com ; Francewale 6th Sem -) MEKN -> (M, E, R, N) + 干机 1942: -> Denis Ritchie 1972: -> (C) [Not accepted 3 (BIET | BMSCE) SBTech? (AICTE) 8 NAAC NBA (1989) Ist std (NBA) C + SIMULA = C++ (MCB) 1991 -> Guido van Rossum Monty Python Flyidy Circus 1995 -> James hosting C+CH=Java Sun Micro Systems Oracle WORA env. vaus Jara- Home path C/ /bin (Javac) JRB -> OS' (JDK+ JRE) = JVM JIT Just In Language
Time Line Primary

Migu (-)

Short int long Vata Types: → Integer: INT-MAX

231-1 Float -) float dowlle Character) char Void void INT-MIN - 231 Enumerate) - enum (W3schools) Named Constants

M-S J-D - SDLC Derived -) Arraye Pointes Struct Unions [String (class)] J CH (-2^{31}) $(2^{31}-1)$ Java: → Non-Privitive (Reference) Primitive (Simple Values Objects) (Complex)
Objects 8 categories byte Short Hash Map < K, V) double - defaut <100, Sames) float -> f or t boolean [450 dsa.com] Operators: > * Arithmetic Sperators: to-, /, *, %.
Python,
11, ** * Alsignment sperstons: = La Augmented * La Short hand * =, t=, -=, /= a = a+10 V a += 10 V * Logical Spertors: Le, 11 * Relational 1 Comparison ファく , フー , ベー , ニ (Boblean) * Unaly Sherators:)

Prafix | Postfin * Ternary Operator: Short-hand ; f-else sperator: retrentype var = (Condition)? tour value à falsevalue; retuntype retun (1) AND -> & -> Ampersand (11) XOR -> 1 -> Pipe Symbol
(11) XOR -> \(\rightarrow\) Carel Right Shift ->>> 7 Angular

NOT ->>> Tilde. Bit spending 5-0101 527=5 13it Masking 7-0111 Bit Manipulation 527 - 0101 -> Pin 0111 -> 7 8 -> 1000 000 Bituine Shift Oberations: -> 8bit * Value $\alpha = 10$ 101010101110 Step = 2 10>>2 = 2 a>>2 Right shift the values deruse (-50) = -(-50) - 1 = 49 (-50) = -(-50) - 1 = 49 (-50) = -(-50) - 1 = 49 (-50) = -(-50) - 1 = 49 (-50) = -(-50) - 1 = 4910 Can Theoretical $\sim S \rightarrow 0101$ (-6)Compiler \rightarrow \bigcirc ve absolute α = $6 \rightarrow 0110$ $\sqrt{n} = (n-1)$ MCgs F2F Viva * Conditional Statements: O Simple et statement - one 1 condition (1) if-else statement - Exerctly 2 conditions (m) if - else-if - else statement -> More than 2 conditions (v) nested if - lhe statement) Branching or Nesting of conditions (v) Switch case -> Better version of m (v) ternary Spentor -> Short hars if - lee