* Roadmap for Clanguage: >

1972
Denis Ritchie > 1942

At modification = B

C), 1972
Accepted Worldwide > ANSI - American National Standards Inditate When wer the 1st Std Version of C -> ANSI — C [Bosch] Hired Data Types: -> Lint, char, float] Poinary Void Enumerated Derived Integer void (enum) Short long Named Constants Arrays Pointers Floating double Struct JAN - DEC Unions MON - SUN Character $R_1B_1G_1Y$ CHT Class chal (integer) Short $\rightarrow -128$ to 127 \longrightarrow 2bytes int $\rightarrow -2^{31}$ to $2^{31}-1$ \longrightarrow (INT-MAX) e bits float -> 4-ytes bits double -> 8 bytes 1 byte chaq -> 1 bytes 1024 bytes = 1kb 1024 Kb = 1 Mb Variables, Identifiers & Kerywoods: 1024Mb = 16b 1024Mb = 17bint a = 10; -> terminating semicolon Valiable -> It is a container on storage to Store values depending on the type of data. The Storage splace is allocated by four system (CPV). It is also alled an identifier because it identifies data uniquely of Ex: a=10, b=20 & so on. terson 2 Translator Mediaton C, CH, Jana, Python, SSL user HLL = LLL 1/0 Combiler - Entity in the CPU which converts HLL to LLL Ee vice versa for the user & the machine to understand accordingly. Device & Combuter 3 Hardware Software Appliation Software System Software Operating Application System Development Sperific amail Whatsapp Purbose Combo/Package MAC Linux, Andraid Relation b/w Hardware Sessiftware: Application operating (Itand) S/S 214 * How is a C program DSA Header file #indude < stdio. h> int main () § Hinchede > pre browson paintf ("JSSATE"), Stdio -) Standard input output Rominal / Console Window Run' -) JSSATE Compile Mingw & combilers 00100011 library files Editor HLL isde! result