

1)
PROGRAMMINO
LYONKULLI IIIO

Developed by Dennis Ritchie at AT & T Bell Labs (USA) in 1942.

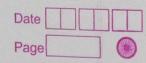
: History - 1960 (ALGOL) -> Algorithmic logic (Europe)

1967 (BCPL) Basic Combined perog. land

1972 (-C) Dennis Ritchie

- · Uses-
- 1. Mostly used in designing system software like Os, utilities desivers, liberaries, kernal etc.
- 2. For borgeramming Embedded Systems, IOT divices and Garning.
- 3. less frequently used for Application Perogramming (
- Longrages like C++, C++, Java e+c. language for new

	Date
11	Features Characteristics:
	DUIMADA AND AND AND AND AND AND AND AND AND
10	High level language and hence easy to understand wead, write, debug etc.
	Small Size language -> 32 keywoords.
3.	Case Sensitive language like Eat and eat both are different.
	Laboration Administration of the Control of the Con
Н.	Buick fast language because of use of pointer.
	Partable but platform dependent.
6,	functional language Perocedure Structure d language
7. 8	x-tenable language
8. (is topthy of all of
: }	is tightly coupled with datatype.
357 101	TOTAL TROUBLE
	&C Character Set.
11	
	Alphabets (A-Z) (28) · Keywords
	00, TI
	Digit (0-9)
# 1	Special Ch. \$ @ et C. Copy territ
	Anka Churt Hoy, 440 Mil .
	Tuon and
	Gogram (Instruction



	Page
-1	Keyword:
3.7	There are verenced words, they convey a Specific meaning.
	meaning.
	·
	There are 32 keyword
	int, long, Switch, four, boreak, Void
	Signed, Case, While, Short, float, double,
	It, clic, goto, default, do, unsigned, preturn,
	auto, unister, static, volatile, type def, union,
	Struct, Const, extern, chor, Chun.
7	Identifier:
	A same aliver to any object lentity for
	A name given to any object / entity for identification (segistration & unpose.
	0
00	Rules for Naming Identifiers-
	- Contract C
1.>	Alphabets + digit + underscore (-) only as special (A-Z) (029) Character -> 62
	(A-2) (629) (Mana (10)
	Keywords are not allowed.
3.	first Character of Identifier cannot be a digit
	The state of the s
4.>	Spaces are not allowed.
5>	We can have max. upto 32 changeton length.
1	(32)

	Date TTT						
4	Vaulable-						
	Named memory location that can Store some value and that value can change there to						
	Vaulable declaration-						
	.0 ;						
	Syntax- datatype variable nomel, varinomez;						
	Example-0 int a; gouloge						
1	Constant-						
	aland and and a land						
	Nomed memory location that Store fixed value						
*	de claration / mitialisation -						
-							
	Syntax- Const datatype Const. name = value;						
	Example - O Const float pie = 3.14; 314						
	ackhus = 260 (649)						
士	Dortatypes in G:						
	not 3 1 bit Si cons						
	1 Byte = 8 bits = 2 NP bble						
	1 KB = 1024B						
	1MB - 1024KB						
	19B = 1024 HB						
nul -	IECC - Institut of Electrical & Electronics mannerus						

Date			
Page			(1)

			Date Page	The state of the s
Sino	Datatype	Keyword	Size	Range
). 2.	Valudos no type. Character	Charl Signed Charl unsigned Charl	18=8bits	-NA- -27 to +27-1 -128 to +127 0 to 28-1 = 0 to 255
8.	Ingeter	Short int Short Signed St. Short Unsigned Short	2.6	-32768 to 32767 O to 65535
		int singred int unsigned int lang int Signed	2B/4B 2B/4B 4B(16 or 32) 8B(84) 4B (8B 8B (16-32)	-32768 to 32767 -231 to -231-1 0 to 65535/0 to 321 -231 to 231-1 -263 to +263 1 0 to 231/0 to 2-1 -263 to +263 1 -263 to +263 1
ц,	floating point	float	+	-3.4E+38 to -3.4E+38 to +3.4E-38 to +3.4E+ 38 1.7E+308 to -1.7E-38
			41	1.7E-308 to +1.7E
		log double	43	3.4E-4932 to 3.4E-4932 to 3.4E+4932
 The state of the s	J.	Control of the Contro	V	

