

	# Identifiess and Keyword:
HHA	A) Keywords:
	- Also known as reserved words or pre-defined.
	words.
	- "
15%	- Keywords are those words whise meaning is
	prefined and it is the basic building block for
	- These are 32 keywords in C.
	mese are 32 Regulators in c
To the second	Eg: int, float, break, goto, if, for, continue, etc.
	- Every keyword has their own meaning.
	- Keywords cannot be identifiers, variables, etc.
	- Meanings of keywords cannot be change while
	witing a program.
	and man relate species Anglid is elitered appoints. (1871)
	By: Identifiers:
	- Identifiers are uses - defined names for
	functions, variables, labels in the program.
	- 7d-200
	- Identificus can be letters, numbers or underscore
	- They can also not steat with numbers but
	can begin with understore and alphabet
	- Identifies can't be keywords.
	- Length of identifies in ANSI = 31



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*7 Differences between Ko I Identifiess	dentifiers and Keywords: Keywords.
Identifiers are user-defined.	Keywords are pre-defined.
case, lower case, number, lo	It can only be written in ower case.
Identifies can't be keyworde -	Keywords can't be identifieu.
Meanings of Leywords can't - 1 be changed while running a program	Meanings of identificus can he changed while witing a program.
# Datatypes &n C:	Management in the state of the
Dutatypes in C is used -	to define the type of to use store in a variable
- It tells us about how be allocated to a vari	
The datatypes in c are as	follows:
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		J
+	Primary datatypes Derived datatypes Also known as - datatypes derived	Uses-edefined datetypes datatypes are are
	fundamental or from primary built in datatypes datatypes	defined by the uses.
	Eg: -int Eg: -assay -float -structure -char	- Enumerated data type - Enumerated data type typedef + gives name to datatype
	- double - pointers.	G: typedef int Jenny; Jenny a;
	(a): Primary datatypes: The is fundamental or built-in da	tatypes
	(i): int: - It stores integer values	# Patatoles
	- Based on qualifiers, int can also be # Size qualifiers:	Signed qualifier
	On a 16-bit machine, Range of signed int: -32768 to	32767 (default)
	Range y unsigned ant: 0 to 655. We know; 1 byte = 8 bits.	35

Short int : shores short space : 1 byte : 8 bits. int : stores interior : 2 bytes = 16 bytes its long int: stores longer space: 8 hytes = 32 by bits Given, -250, 0, +2100, 88888888, 4,442, -31.8, Here, invalid integers. valid integers: -250, 0, 72100 4,442 - comma use -31.8 - dedmal. -8888888 + out frange Assigning: int a; Format specifies : it of for int or signed int = id unsigned int = 4. 4 lung int = % 10 unsigned long int = y. Lu. unsigned shortint = y. hu signed short int = /. hi (ii): char: - It stores a single character. - Occupies l'hyte. - Based on a qualifier, thus is of two types: Range: -128 to 127 Range: 0 to 255 POPULATI



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format specifies for char: 1.c
Assignment: char a; 2g: printf ("Y.c", 98) = 7 b La(ASCII code)
(iii): float: - It is used to store decimal values - Occupies 4 bytes a space ie, 32 bits Range: -3.4 e 38 to +3.4 e 38 - float takes 6 digits of precision Format specifies = y.f Assignment: float a, a=10.0 pantf ("1.f"; 0) => 10.000000 (iv): double: - It also stores deamal values with greates precision that float. te,
Pouble Pouble Pouble Pouble Pouble Power Power Power Precision: 1518, 33 Format specifics: V. If Format specifics: J. Lf (v): Void: Poid: Power Precision: 14 - Digit y precision: 1518, 33 Format specifics: V. If Void: Power Power

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	(b): Sécondary d'ototope: / Nexived datotoper
	# Variables in C
	Variables are the name given to a memory location where we store values, character, etc. while writing a program
	Declaration of variable: 1) Format: datatype variable name; 2: int a; 1) Initialization! $a = 10$;
	We can declare and initialize variables together. Eg: int a=10;
A walana	More than one variables can also be initialized and declared trigether. Eg int a = 10 = 6 = 14;
	- A variable can only be initialized after declaring it. XY Rules:
	i) Name must start with uppercase or lowercase or anderscore in anothers with the sequence or have special symbols in the sequence or have special symbols in the sequence of the sequence or have special symbols in the sequence of the seq

