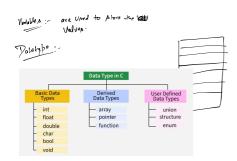
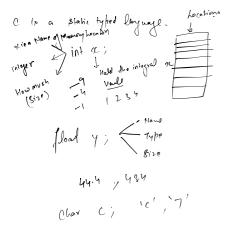
https://github.com/TeachToTech-in/Rahul Trainer

∰stop List Of Keywords In C & Their Purpose							
break	case	char	const	auto	short	struct	switch
double	int	else	enum	float	continue	sizeof	default
	for	do	goto	if	typedef	union	void
extern							





- No Spaces:

 o Identifiers cannot contain spaces. If you need a name with multiple words, use underscores (e.g., total, sum) or came(case (e.g., totalSum).
 Length (Completo Popendent):

 o While there's no strict limit defined by the C standard for the length of an identifier, compilers typically support identifiers up to a certain length (often 31 characters for external identifiers and more for internal ones). It's good practice to keep them reasonably concise but

Examples of Valid and Invalid Identifiers:

Valid Identifiers Invalid Identifiers Reason for Invalidity Starts with a digit myVariable 1variable _temp int is a reserved keyword calculateSum total#value Contains a special character (#)

MAX_SIZE for for is a reserved keyword data_entry_point first-name Contains a special character (-)

Export to Sheets
Good Practices for Naming Identifiers:
While the rules define what's allowed, good programming practices suggest how to make your identifiers readable and maintainable:

- Descriptive Names: Choose names that clearly indicate the purpose or content of the identifier. For example, studentage is better than sa.

- Consistency Slick to a consistent naming convention throughout your codebase. Common conventions include:

- Conventions include:

 and Conventions include:

 came(Case: my/ArableName, calculateTotalSum (first letter of first word lowercase, subsequent words start with uppercase). Often used for variables and functions.

 Pasca(Case (or UpperCame(Case): MyStructName, ClassName (first letter of every word uppercase). Often used for structures, unions, and sometimes function names.

 snake_case: my_variable_name, calculate_total_sum (words separated by underscores). Often used for variables, functions, and macros.

 MACRO_CASE (or SCREAMING_SNAME_CASE): MAX_VALUE, PI (all uppercase with underscores). Commonly used for symbolic constants defined with iddefine.

 Avoid Single-Letter Names (unless context is clear): While I for a loop counter is common, avoid x or y for more significant variables.

 Be Mindful of Scope: In larger programs, consider adding prefixes or suffixes to avoid name clashes

Operatora!

Operatos	Type of Operatos	Operation Type		
**,	Increments/Decrements Operators	Unary Operator		
+, -, *, 7,%	Arithmetic Operators	Binary Operator		
<, <0, >, >0,00,10	Relational Operators			
88,1,1	Logical Operators			
8,1,44,59,4,1	Bitwise Operators			
=, +=, -=, +=, /=, %=	Assignment Operators			
sizeof () , & *	Special Operaots			
2.	Ternany or Conditional Operator	Ternany Operator		

Anike metric Operator:	, 0/P Hoggin
W	axorgment obviolor
(= a-b)	C= a/b; 20)10 (0.5
C= a*b)	C= 6%,0;
フ・	:/(companion) — less than — Greater then — (con than equal to — con than equal to

(though namespaces in C++ address this more directly).

In C programming, a data type is a classification that tells the compiler how the programmer intends to use a variable. Specifically, it determines:

1. The amount of memory (storage size) to be allocated for a variable.

2. The type of values that can be stored in that memory location (e.g., whole numbers, decimal numbers, characterists) they existable can hold.

4. The operations that can be performed on the data stored in the variable.

4. The operations that can be performed on the data stored in the variable with a specific data type, you're easerntally telling the compiler, "key, set aside this much space, and I'm going to put this kind of data in it." Cdata types can be trougly categorized into:

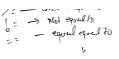
1. Basic (or Primitive) Data Types: These are the fundamental data types built into the C language.

2. Derived Data Types: These are constructed from the basic data type.

3. User-Defined Data Types: These are custom data types created by the programmer.

4. Void Types: A special type indicating the absence of a type.

Let's explore each category.



MLa =33 9(6; (b; 1 Nonzero (Tme) int b= 20; > zero (false)

Logical Operator? - are used to Combine the AND OF MOT those or more Conditions 22,11, 1 29 - if Arry India is zero of p is zero oftenose Pue. L Truth Smit ABY 00 0 0 - Trush table 0 0 i 1 1 1

OR. If any of the Input is the of 1x the

[] It alters the Vadeul

int main ()

Pegnotor - Coefcodo

1 Google form

3 Revisip

G if if close stemt

(5) loops while downle for

(6) Momory Layout in C.

int mounc)

int a, 6; forintfl' Enter the two Value to Compare (n"); & conf(" 1/od -1/od -, &a, &b);

if (a>b) { printf('4a) in Greater than %d', a, b);

formation (seturn o)