	EDG3
	Chapter 1: Variables, Constants & Keywords
	Variables A variable is a Container which stores a Value.
	A variable is a Container which stores a Value. In Kitchen, we have containers storing Rice, Dal, Sugar etc. Similar to that Variables in C stores Value of a constant. Example:
(MAA)	SINTER VIA
18 1	a = 3; // a is assigned "3" b = 4.7; // b is assigned "4.7" c = 'A'; // c is assigned 'A'
	Rules for naming variables in C
1,	Tivst sharacter must be an alphabet or underscore (_)
27	No Commas, blanks allowed
No.	No special symbol other than () allowed. Variable names are case sensitive.
17	We must create meaningful variable names in our programs. This enhances residulity of our programs.
	Constants An entity whose value doesn't change is called as a constant.
	A variable is an entity whose value can be changed

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Types of constants Primarily, there are three types of constants: 1. Integer Constant 1, 6, 7, 9 2. Real Constant 322.1, 2.5 7.0 3. Character (onstant 322.1, 2.5 7.0 Single inverted within Single inverted (onnow) Keywords Inlse Are Reserved words, whose meaning is already known to the Compiler There are 32 keywords available in C. Auto Stouble int struct on the Compiler There are 32 keywords available in C. Auto Abouble int struct on the Compiler There are 32 keywords available in C. Auto Abouble int struct on the Compiler There are 32 keywords available in C. Out of Stout Compiler Compiler the Compiler of Construction of the Compiler of Construction of	6-001	EDG3
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return 0;		
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<u> </u>	- the wall and met and the	Colourst. C artering of
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	A C program starts executes instructions p Each instruction is	Program o follow a basic structure with a main function and cesent inside it terminated with a Semicobn (;)
		which are applicable to all
17		n Starts from main () function. Jerminated with a semicolon.
37		ed in the same order in which
	the byogram in blain	r Brogram. There are
17	Single line comment: 11	This is a Comment
7,		# This is a multi-line comment */

	Compilation and Execution
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hiel	action from the man from the party of
7 \ 1	first (=> (combiler => first exe ==
() 1000	first C => C Compiler => first exe
No all	
YIJM O'	in VS Code
not you?	A compiler is a computer program which converts
	a C program into machine language so that
Cilber .	A compiler is a computer program which converts a C program into machine language so that it can be easily understood by the computer.
	1
	A C program is written in plain text
1 1 1	This plan text is combination of Instructions in a particular sequence. The compiler performs
midu n	some basic Checks and finally converts the
	Some basic checks and finally converts the program into an executable.
	A America O
too	Library Functions of how we design
144	C language has a lot of Valuable library
41	functions which is used to carry out certain
	tasks for instance printf function is used to print
	Values on the screen
	print ("This is % d' i);
1	% d for integers
<u>1 d</u>	of for real values
hirs.	% C for Characters
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Types of Varior	beles
	7 Word AL 7.7 IS YEAR
17 Integer unhigh	$l_{\mu} \rightarrow int n = 3$
22 Real Mariable.	$ly \rightarrow int a = 3;$ $ly \rightarrow int a = 7.7;$ $ly \rightarrow chai a = 'B';$
32 Character Variable	$\eta \rightarrow (ha) = 1R'$
Receiveme inhit Co	rom the User
In which	rom the Vser take input from the user and a variable, we use Stanf function
assian it in	a variable The use Stant Lunction
	- Will James
Syntax for us	ing scomf:
' ·	•
Scanf ("%	d", &i);
1007 6	This & is important!
& is the address	s of "Operator and it means that the Should be copied to the address which
supplied value	Should be copied to the address which
is indicated t	y variable i!
/5	
,	

	EDGA
in the state of th	Chaples 1 - Practice Setov lo
Q1	Write a C program to calculate area of a rectangle:
(a) (b)	Using hard coded inputs Using inputs Supplied by the User
Q2	Colculate the varea of a circle and modify the Same program to calculate the Volume of a cylinder given its radius and height
Q3	Write a program to convert Celcius (Centigrade degrees temperature to Farenheit)
Q4 / / / / / / / / / / / / / / / / / / /	Write a program to calculate simple interest for a set of values representing bruncipal, no of years and vate of interest.

		EDGA
	Chapter 2: Instructions	and Operators
	A C program is a set of like a recepie - which to prepare a particular	
-	Types of Instructions	mai Jaman Wi
1>	Type declaration Instruction Axithmetic Instruction Control Instruction	WAN A K- THE
3,	Lead to A	10t be 2 of
	Type declaration Instruction	int I bar
	float b; solding a land of the Variations.	whom to do
	int $i= 0 $; int $j=i$; int a int $j=a+j-i$;	= 2
	float b = a+3; float a=1.	1 => ERROPIas we are trying to use a before defining it.
	int a , b , c , d ; $a = b = c = d = 30$; \Rightarrow Value	of 0, b, C & d will 30 each.