UNIT-2

→ loops - bal loop, while loop, downile loop	
I will and we great a Atlantamen When Cond in Entre but other I lacked	di.
hills of them whom The Comen is tolde. I would be ("book) & I I X BT MY & &	
Note - Fol Jook is also known as determinate look or definite last.	
LO Sum Falls	Ø.
# Groto Statement - "goto" Statement is also colled as Turp Statement in C.	
. It is used to tronsfer brogram Control to a bredefined lobel. goto statements is beforable	W.
Whom we need to Brook multiple loops using a Single Statement at The Some Time.	0
- The use of "goto" statement is been alloided because it Guses Confusion for The	9
	-
T 0 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
06 . 4.1	
(Service to) We for (int j=0; j<=10; j++) { > valo (
prints ("in Enter on Number (0 to Exit loops)::: ");	0
Scorf ("% d", & rum);	
if (num ==0) { goto end; }	
3 dimental period =	0
3	
end: plints ("inyou have Exceed The 2 massine for Roops"); - 3	
= OUTPUT - Enter on Number (0 to Exis books)::: 3	0
Enter on Number (0 to Evir loops)::: 29	
Enter on Number (0 to Evil loops) ::: 0	
You have Exited The & massine Bot loops	
- C.10: 1:-	
Lill That Mustar Paralles To The Manager	
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The state of the s	
Engly Thom (3) will Exicute and The Read Fall	T
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bleck;

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Inf.	1. (1:	DATE:/ PAGE:
O - Write diff. b/N bre Break		De la Jota
	white was a series of the	
1 Leads to Immediate exit	1 begins next Iteration of the	
Of Enclosing loop	while, endosing for or do loop.	from onywhere to another.
Wes to Stop further Eximition	1 used to Eximte Ruther	@ used as an unconditional Just
of loops.	loop.	Stement.
3 (an apply on Both loops	3 Con apply on looks, not	
and switch.	on switch a land	loops. The day A
9 SYNTAX ::: blok;	4) SYNTAX ::: continue;	(9 SYNTAX::: goto surp;
Sodoesn't require on lobel.	(3) dolan't require an lobel.	3 grequire on Jobel
(6) Can be used with 'ig' only		6 Can be was with it on time.
inside The loop.	inside The loop.	- of the distributes = for-
		(antrol is out from loop.
Outside The Loop.		V
had interest total to place	Well in John John	AP Brownetter besign in
=> Eunctions in C-langua		
		- will sport to
- C- Enobles The leagues	mes to beak up an brogsom	
functions each of which can	be written more of less Indepe	restly than others.
- The moment The Compiler En		
fune, The Contral Turks to	•	
- After The colled func is Evic		v
	11 n is Index Volus of fits	
= It show themself (n'==1){	· Company of the comp	+ The Shoop chisses of +
	· ·	stelege thou will be aller
3 Maria	Alabone allocation with Gent	- It should have horn through
23 January de feetun fib (n		- Is also bleaties That in
3 roading on 18 Ponts	inde 1 P has Intelnal, Est	- Specifics whether the Vote
A Comment of the comm	The specific and the second of	Appendix and the second se
1 wes defined on - These	ore Crepted by leagrammers.	are alled uses defined functions.
It Reduces Complexity of B	ig bogloms and obtimises th	he lade. alsaled lisales
2 Library 6" - These	one defined in C-Header fi	
Good Write		Greed White

1 DATE:/
2. Need of Eurotions in C-larguage
-> It is Good Approach of dividing a Program into separate well-defined functions.
- understanding, Goding, texting multiple sepelate fure is for Essier Than doing with one big f."
will tel toster (nel a sel of 8).
trogrammer an also white hief 6 and can use at diff. boints in Moin () fr
-> A B" Can call any other f" and any N.o. of Tires as well.
See Coups. See Coop. See Secondary.
2. Earts about Euretions
-> A gn 'p' that uses another pn q', Thon, b is colled as Colling function wheres
q'is college os Colled function was selected to the selected to
-> Infuts Taken by for are known as balameters / Arguments.
The Colling of may I mayn't loss The bolameters to The Collect func
-> 6" declaration = 6" + list of Arguments + data it returns.
-> Semi Colon -> pn decloration & atherwise -> pn defination
Chatrick The Lock.
D- becometely lassing in 1 n - Call by Volue (Copy of Actual branches is bussed a
Coll by Reference (Address of Aut Bra is Bosted)
= Stologe (losses
→ Stologe Closses
- Stologe Closses - Stologe Closses - Used To Tell The Coby & / Liftime the Novible of 6n.
- Used to Tell The Scope of 1 Liftime of a Volible of 6n.
- Stologe Classes - Used to tell The Scope of 1 Liftime of a Voliable of 6 ⁿ . - Used to tell The Scope of 1 Liftime of a Voliable of 6 ⁿ . - It delines the scale and sixtimes of Voliables 16 ⁿ declared in C-Bracon
- Storage Classes - Used to Tell The Scope of 1 Liftime of a Volible of 6 ⁿ . - Used to Tell The Scope of 1 Liftime of a Volible of 6 ⁿ . - It defines the Scope and lifetimes of Volibles 16 ⁿ declosed in C-Boglam.
- Storage Classes - Used to Tell The Scope of 1 Liftime of a Volible of 6 ⁿ . - Used to Tell The Scope of 1 Liftime of a Volible of 6 ⁿ . - It defines the Scope and lifetimes of Volibles 16 ⁿ declosed in C-Boglam.
The Storage Classes Weed to Tell The Scope of 1 riftime of a Vorible of 6 ⁿ . Types are auto, Static, extern and register. To the Scope and lifetimes of Voribles 16 ⁿ declosed in C-Bugram. 2. Need of Storage Class in C-barguage.
The Storage classes of a for of a Morible determines The bet of memory where the
The Stronge Classes of a p ⁿ of a Mohible defermines The but of memory where the stronge spore will be allowed for the Voliable of p ⁿ .
The Storage Classes of a for of a Variable determines The best of memory where the stolage space will be allocated for The Variable of p. It specifies how long The stolage allocation will Contine.
The Storage classes of a for of a verible of the best of memory where the storage space now long the Verible of the best of the storage classes of a for of a verible determines the best of memory where the storage space will be allocated for the Verible of the storage allocation will contine. To also sherifies That in which but of brogham the Variable is Verible & Accessible.
The Storage Classes of a for of a Variable determines The best of memory where the stolage space will be allocated for The Variable of p. It specifies how long The stolage allocation will Contine.
→ Specifies Whether the Vorible / p ⁿ has Internal, External of No Cinkage.
Storage Closses Need To Tell The Scope of 1 rightime of a Norioble of 6n. Types are auto, static, extern and register. The Storage Classes of a for of a Noriobles 16n declared in C-Brogram. The Storage classes of a for of a Norioble determines the bot of memory where the storage space will be allocated for the Vorioble of for. The Storage classes of a for of a Norioble determines the bot of memory where the storage space will be allocated for the Vorioble of for. The storage show long the storage allocation will contine. The also specifies that in which but of brogram, the Norioble is Visible & Accessible. Specifies whether the Vorioble 18n has Internal, External of No Cinkage.
Stologe (losses Need to Tell The Scope of 1 rightime of a Norioble of 6". It defines the Scope and lightimes of Voliobles 16" declosed in C-Brogram. 1. Need of Stologe Class in C-language. The Storoge classes of a 6" of a Norioble determines The bort of memory where the stologe space will be allocated for the Volioble of 6". The specifies how long the stologe allocation will Contine. The also specifies That in which bor of brogram, the Norioble is Visible & Accessible. Specifies whether the Vorioble 16" has Internal, External of No Cinkage. Auto is The default storoge Class for all loval Voliobles and Static for all and Color of Universal Static for all and Color of Universal Static for all and Color of Universal Static for all Color of
Storage Closses Need To Tell The Scope of 1 rightime of a Norioble of 6n. Types are auto, static, extern and register. The Storage Classes of a for of a Noriobles 16n declared in C-Brogram. The Storage classes of a for of a Norioble determines the bot of memory where the storage space will be allocated for the Vorioble of for. The Storage classes of a for of a Norioble determines the bot of memory where the storage space will be allocated for the Vorioble of for. The storage show long the storage allocation will contine. The also specifies that in which but of brogram, the Norioble is Visible & Accessible. Specifies whether the Vorioble 18n has Internal, External of No Cinkage.

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				CHANGE DEVELOPMENT PROPERTY
Storage Class	Storoge Close	Defoult Volve	Scope	Lifetime
Auto	RAM	Gorboge Volue	lost	within The B" in which is defined
Static	RAM	0	Globol + Lord	fill end of moin () In retirs
5	لمنز الملاطن .	The Petern	ender in Eath	Volve in multiple on Call
Externa	RAM	and October	Global	Till End of main 11 6" and make
			Sycat.	declosed Anywhere in leagram
Register	Registers	Gortsge Volue	Low	Within function
			Que e en	,
1. Autorn	stic Storoge	loss	0 1(3lli	- Alpays (Sussoulted Vas
	c Voribles are Al			
				- It is a callection of Simile
				- SYNTAX: Laborite also
				xiting from the Block.
				roue been derbres.
				Rospe with bointers only.
				Note - Colemitalism devotion
2. Stalic SI	tologe Class	1 + 10	institute - istori	legish of an Assay = Endi
- Static Vol	ible Can only h	old Thies Volue 61	w Multiple on	Collection and phones. all
→ A Some State	ic Voliable can be	decloted many ti	es but can be a	Usigned only one Time.
- Defoult	Initial Value of	S Static is O	of Null.	i de la companya de l
				Volible: when defined within an f
				ain: octavil los
			iria ka	= or tol
3. Externol	Storage Class	1-4000		3-77- TA
- Used to	Tell The Combile	that The Volvie	le définer as: E	Extern is declared within External links
The Vorige	le declored as e	ctem is not a	llanted my	memory. It is only declaration
and Intender	to specify	hat Usriable is d	believe elsem	hele in Brogram.
→ We Con't	Initialize ext	elnol Voliable	within my h	lack / method.
→ We Con	only Initialize	External Voli	ble will	oy Globelly.
- It Can be	declored mone	Times but is	rely can be Is	nitiolized once! () whom the
	1 37 May 1 1 2 2			sile Callino to
	*	P. To		oslou (all, 2)

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4. Register Storage Class	
Time the class double the register Volor	ble of Sort functionality as of auto Varable.
- Volishles defined as Registed are allocated memor	y in The CPU Registers depending upon
The size of memory remaining in The CPV.	O MAN - WAN
The Access Time of Register Vorible is Ester Than	Automotic Voliable.
- Ew Voliables which are Accessed voly freq. in	The leagram are derbred with The Register
Keywords which inflowed Running Time of leaghours	
Drawloods - Compiler Erroy / Illegeol Eximitio	n when we store Input in Register bribble
	and realest situration .
snely hutenshally at any are as	m bitwill in which thorn that the
- It is a Collection of Similal datatypes stored in	Contigious memory wrotions.
- SYNTAX::: dototype alloynone [size];	
- Alloy is used in Weather Especasting, Emplo	eyels of a Corporis.
- Areays are Gode optimizes, Easy for Traversing	
ible attribute Till sade with lainted only	- in a lose They are only this are
Note - Colour't allow devolving on Arlay whose N.O	of Clarents are Not Known at Compile Time
Lentoh of on Alloy = Endinder - Startinder + 2	de Stolie Stologe Coss
O - lass Alloy as Argument to pr in C- lor	guige that the and allied state &
+ include (stais. h > miles of me long out the	- A fact Sibility Volities can be declared in
is o of null.	- appell Trivial bolon of Stilic
Word allay (int all [], int index) &	- lift blu an auto and libra vor
for (mi=0 ; id 5; it+) &	is not primitiblised whom m for is
int m = all [i];	
7 (m == 1-if(i == index)=	
would have just in subdivily: (is = 3=1 index) & as it of a	I was to tell the Compiler was the
mithelial who is the manner plints (will belie at In	dex fod is for index, m);
le is declared of Leuchale in Existence	my Typinded to Showing this while
	4 he last Trisippe of the
3 Couput to Volue.	at Index 2 is 3) who is the
int main () Energialized Some this	the to be desposed many some
int ay (5) = £1,2,3,4,53;	
alloy (all, a)	
3 Cand Illuito	Water the state of

Scanned with CamScanner

20-Arroy - a dototype allomone [rows] [Columns])
=> Strings (% 5)
- String defined 20-Alloy of Choloctels which is Telminated as Null (10).
- We Can declare an string by Char Array or by String Literal.
- Char Allay _ char are [10];
String literal - Old none [5] = "Yosh"; - # inclup (string. h)
- The Colombia of The Painter Shields and The United to 12 Points and he shores in I the
2. Sterpy (S1, S2); Copy The String S2 in S12001 100 100 100 100 100 100 100 100 10
2. Street (Si, Si); - Concetinate the String Sr at End of SI
3. Stelen (S1); - Returns The Length of String S1
4. Stromp (51,52); - PReturns 0 (51=52), (0(5,(52), >0. (5, 252))
5. Streets (s, ch); - Returns a lighter to the Einst Occurone of Cholich.
6. styste (5,,52); - Returns a lainter to Eirst occurre of 52 on 51.
(Ed above 6 String on, "# include (string f)" heady file is must)
Note - Sear ("% s", & name); - This will help to Input String and Store to me
10 part ("16 & sinon); Het, 10 is Epterage
To make a Code for Space Seperable Strings, The minor Changes are seq. in scorp 11 asi-
mur fred of search ("% [" /o [" / n] s m / d st) is " said
3
IMP In (-language, An Away loints to an location in Memory and The 1st Element of
Array also baints to The Some Memory Laidian. Thus, The 1st Elevent of Array is O Elevent Assissy from
The Memory: location of Array, due to This, The 1st Elevent Got index =0. 11/ly, god Elevent of
Alloy is 2 Elevent away from The Memory Location of Alloy, due to This, The 2nd Elevent Got index= 3
This is The Reason behind O-Based Indexing in brogramming language.
* brench historial IAMI to tout to any habrabe.
A General Printer in a later which that has him a sent there