module 3 (contd....) Strings: (past 2) Declaration of Juitializat of String handling functions: Stolen() - strapy() very important - streeve Strong () Strocupi) Stoncpy() - Stolwold - Struppe() XXX lab program + (string concatenation) String: - Sequence or array of character. storage representat of string is classified 1) Fixed length string 1) Fixed length string: -* The length of string is pot-defined * If we try to add more characters than the specified size, then string

will be truncated Disadvantages :-Then semaining 95 fields will be 2) Variable length string No predyined lengte. Storage of string can be varied 2 mechanism to indicate end of 1) Length Controlled string 1) Length controlled string In this size of string is stored Disadvantage: - Length Can't exceed 255

Eg: - | S | H | E | L | O | 2) Delinited string String ends with delinite (null character)

Eg: * Declare & initialize String?

* How to read string? > gets(), puts(), scanf(), 1) Declaration: chas a [10]; type string- size Initialization: 1) char a[5] = & 'H', 'E', 'L', 'L', 'O'9; In this, character by character initializate 2) chas a [6] = "HELLO"; Lo size is 6 including null charactere. to accept string & court no. of characters in its wethout using builtin function. void main ()

· char a[10]; int count = 0, i; print (" Enter &tring \n"); scarf ("% 2", a); for(i=0; a[i]!=10'; i++) Count = Count +2; point ("% & contains % d character", a, count); * wap to find several of a given string without using builtin function. int i, length =0; char s[10]; print[" Enter string (n");
geti(s); while (stiJ!=10' length = length + 1; prints (" Reversed string is In"); for [i= length - 1; i>=0; i--) print["%c", S[i]); a getch ();

String hardling functions of In built): 1) Stolen (\$tr): - To find length of string. Hinchede & stdio.h> #include < stringoh? void maint) char str I 10] = "Hello"; drecer; print ["length = % d", stren(str)); 0/P=5 stropy (dest, soc) :- String is capied #include < string . h> chas ssc[100], dist[100]. gets (soc); etocpy (dist, 2000); puts (dest); O/p: 800 = Hello getch() det = Hello strucpy (dest, &rc, n) specified number of characters are capied from source to distination.

Eg: Hinclude (string. h) void main() chas scc[100], dest[100]; gets (stc); stoncpy (dist, soc, 5)
puts (dist); OP: COMPUTER + SE COMPU > Dest In this eg, only 5 characters are copied from sxc to dest. streat (str, str2): - (concatenation) string? will be foined with string? String? will be copied to Hinchede < 8tring . h> void main() char sitioo], s2[100]; print [" Finter string 1 \n"); scarf ("%s", 81); print ("Enter 8tring 2) n"); scanf ("% s", s2); streat (" ss, s2); print ("/s", s1 getche);

O/P:- string 1 = Hello
String 2 = Mi
Olp: - String I = Hello String 2 = Hi String I = HelloHi
5) strucat (s1, s2, n):-
only specified no. of characters from
Se will be joined with &1.
#include < string.h7. void maint)
char \$1[10] = "Hello", \$2[10] = "hello"; strucat (SI, S2, 2);
printf ("% 2", 81);
Jan
o/p:- Hellohe.
1) alog (alo) o
6) stroly (str) =-
To severse a given string.
Hichide = stringoh >
3
6 chas S[10]; 0 p:- S-Hello
gets(s); severse-olieH.
stoser(s); pute(s);
9

+	7) stolwo (sto):-
+	7) striurs (str):- converte string to lowercase letters
	· · · · · · · · · · · · · · · · · · ·
-	the clade & string. L
_	#include. < string. h> void main!)
-	P = F = 115110
_	chas & [10]; [I/p: HELLO
J	gets (s); [o]p: hello
-	stelwe (8);
-	
-	puts(s);
+	
-	a) struck (str) o -
-	8) strups (str): - converte string to ceppercase string.
-	
1	Hinchide < stdioo h
	#include < string. h>
	void maine
	8
	le chax s[100]; [I/p: hello
	gets (s); O[P: HELLO
	etrupo (s);
	puts(s);
	g to the same of t
	9) 8trcmp(s1, s2):
ALMA HOLES	* Compares 2 strings.
	* comparision stasts with first character
	* comparision stasts with first charate of each string, continues till the corresponding charactere differs or and of character is seached.
	corresponding character differs or and
	Character is seached.

Scanned by CamScanner

-> If 2 strings are equal setures 0 > 51 < 59 > setuans - Ve. It seturns values based on ASCII values of letter's subtraction. Hinchide < string . h> void main() chas s1[100], 82[100]; int ch; scarf (4 % & 8 % &", \$1, \$2); ch = stremp(s1, s2);
printf ("%d", ch); 10) strnemp (s1, s2, n):only specified number of characters will be compared in \$1 6 12. Hinclude < string. h> chae sI[100], 82[100]; int ch; scary [" 1. 8 1.98", 81, 82); ch - strnemp (s1, s2, 4); 9 Printf (" o/od", ch);