

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous) Dundigal, Hyderabad – 500 043

LABORATORY WORK SHEET TRANSPORT TO THE LAW

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1		Preparation	Algorithm Performance in the Lab	Source Code	Program Execution Results and Error Analysis	Yiva ,	Total
				Calculations and Graphs			
Max. Marks		11.14 12.1	released points	12 1 134 LINE 1	Act of miles	1411	20
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START WRITING FROM HERE:							
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a]	that vopies a vstring stre to vanother string stre.						
1							
Write a C program that involves this function						on w	
	porform string copying. Also perform the same						
operation using built in function						七. 1.	ė.
1	PPOG1	PAM:		han are adi			- [
PROGRAM: # include < studio.h>							1
# include (string-h>							
	#include < string h> main () {						
char stra[100], stra[100]; thomas of mapail						1147	3 1
l	int is the mail and a mount buston start print						
	void	strcpy (d	char[]);		decitaio ha	inclus	41
ļ	print	f ("Enter	any string stri	:");	ed-gritte > 5)	mettu	
	scan	f (4.1.54,	str1);		6	ikan t	- 11
	prints ("After copying otr1 to str2 using library stropy () the						
	value of str2 is: "/s", stropy (stra stri):						

```
stropy (stri);
void stropy (char strs[]);
                    -,:t MyrayN F:,-
int i;
char strz[100];
for(i=0; str1[i]]=0; i++)-{
strz[i] = strj[i];
stra[1] = 0;
Printf ("After copying str1 to str2, using user defined function
        stropy() the value of stra is: 1.5, str2);
INPUT: Enter any string str1: iare
QUIPUT: After copying str1 to str2 using library function
         strapy () the value of str 2 is : iare
    After copying stri to strz, using user defined function
          stropy() the value of str2 is: iare
AIM: Develop a user-idefined function strconct(str1,str2)
     to stimulate the built-in Mibrary function
     streat(str1, str2) that dakes two varguments otr1 &
     otr2, rencatenatu str1 and str1 and wtores the result
     in str1. Write a c program that involves this
     function to perform vitring concatination. Also
      perform the same operation using built-in function
PROGRAM: A c program to concatenate two strings without
            using standard library function streat()*/
# include < stdio.h>
# include (string.h>
int main()?
char stri[50], stra[50], i,j, stra[50], str4[50];
```

```
void streamet (char[], char[]);
 prints ("Enter first string:");
 scanf("olos", str1);
 printf ("Enter second string:");
scanf ("1054, str2);
 /* This loop is to store the length of str1 in i
        It just counts the number of characters in str1
          You can also use strlen instead of this */
strepy ('str3, str1)? I de la la latera de latera de la latera de latera de la latera de latera dela latera de latera dela 
stropy(str4, str2);
stronct (strustra);
 printf ("Output using library function strepy(): 1-5", str1);
  INPUT: Enter first string: LARE
                           Enter second string: 17
  OUTPUT: Output using userdefined function: IARFIT
                            Output using library function stropy(): IAREIT
 AIM: Develop a c program that returns a pointer to the
               first occurence of the string in a given string using
                build-in Mibrary function strett(). Example: strett().
                function is used to locate first occurrence of the str. text
 Program:
# include < stdio: h>.
# include < string-h>
 int main () &
 const char str[190];
const char search string [100];
 printf ("Enter a string:");
                                                                                 Lich to the factor of the
 get(str);
 printf("Enter substring:");
```

```
till Instruction i maken blanch
  gets (search string);
                              the character that astronomical
  char* result;
  result = stistr(str, search string);
   print & ("The substring starting from the given string: 1.5",
  return 0;
            the loop i to stone the length of shit in i
 INPUT: Enter a string: This is a test string for testing
 OUTPUT: Enter à substring: test unide sen plus une
         The substring starting from the given string test
                                     string for testing.
AIM: Develop on C program using the library function
  stromp(stri, strz) that compares the string printed to
    by str 1 to the string pointed to by 1str 2 and vuturns
     an unteger. Display appropriate messages based von
     the return values of this function as follows -
     if viction value <0 then vit undicates off is iless than
     str2, if retion value >0 then it indicates str1 is
     equal to strang midnul provide prime supers
PROGRAMS where we supplied that any properties in
# include < stdio.h> printf ['stri is equal to stri");
# Include < string.h> return(0);
              The same being the same
main ()?
char stri[15];
                          INPUT OUTPUT:
char str2[15];
                                stra is less than etra
int ret;
stropy (stri, "abodef");
stropy Gtr2, "ABCDEF");
ret = strcmp (str1, str2);
if (ret<0) {
                                   Chier a wind "
printf ("str1 is less than str2");
I else if (ret >0) f
printf ("str2 is less than str1");
3 else E
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