

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad – 500 043

LABORATORY WORK SHEET

				Date:	1/8/2	022
Roll No:	21951A67541	Name: P-JY	OTHI PRASAN	NA	1 33	Fa .
Exp No: .		Experiment Name:	ADDITIONA	L PROGRAMS	63 631	
	DAY EVALUATION					N .
	1	Algorithm	Source Code	Program Execution		

	Preparation	Algorithm Performance in the Lab	Source Code Calculations and Graphs	Program Execution Results and Error Analysis	Viva	Total
1						
Max. Marks	4	4	4	4	4	20
Obtained	4	4	Ч	4	4	20

Signature of Lab I/C

START WRITING FROM HERE:

Write a c program to read in two numbers, 28 n, & then compute the sum of this geometric progression: 1+x + 2+2. +x". For example: if n us 3 and x is 5, then the program compiders 1+5+25+125 Print 2, n, the sum. Perform evid checking. For example, the formula closs not make isense for (-ve) exponents if n is < D, then go back and iread in the next pair of no's of without computing the sum Are any values of a valso villegal , of no dest them too. # include < stdio.h> #include<math.h> void main () { int z,n, sum=o,i; L: printf ("In Enter the value of x and n;"); scanf(".1.d.1.d", 29,81); to terminate up if (2<0 || n<0) { printf ("In Enter only positive value for 28 n"); goto L; forth and it in this for (i=0; i<=n; i+1) {

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sum = sum + pow (x,i);
printi ("In 2 = · l·d; n=· l·d, sum of Gop=· l·d", x, n, sum);
                  MINIMATERIAL IN MINIMATERIAL
JNPUT:
                                       2=2, n=6, Sumot g.p=12
Enter the value of 2 and n: 2 6
Develop a Oprogram to find the o's complement of a given
binary number 2's complement is obtained by escanning it
from vight to left and complementing all the with rafter
the first appearance rof a1. Thus, 2's complement of 11100
is 00100. Write a c program to find the 2's complement
of a binary number.
# include < stdio. h>
void main() {
int n,i,a[10];
printf ("In Enter number of bits in the binary num:");
                       relieve that I am all the
scanfl" (d" /3n);
printfl"In Enter the binary number into array:");
for (i=0; i<n; i+1)&
scanf ("I'd", & a[i]);
two complement (an) in the same to be a feeling to the
                            With the safety of the safety of the
void two complement (int allo); int n) &
int i, C=1;
                                         stational asserbly by
-for (i=0;i<n;i++){
                                               Danier Lavo
if (a[1] ==0)
a[i]=1;
else a [i]=0; " il leis & to miles all off il " I flord
printf ("In One's complement of the binary num:");
for (i=0; i<n; i++)
                    est who available class as a market
print + ("1.5d", a[i]);
for(i=n-1;1>=0;i++){
                                        Intelior of the
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p.

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a [i] = a [i]+c;
                    INPUT:
                                           of the late of the
                   Enter number of bits in the binary num:5
if (a [1] == 1) {
C=0;
                    OUTPUT :
                                            ill to be become by the t
break;
                   Enter the binary number, into array: 111010
elsef
                   One's complement of the binary num 00011
a[i]=a[i]-2;
                                         Tilled by 1942 - un
C=1;
                  and Chi he famous him that the the
Develop oprogram to convert a Roman numeral ito its
decimal equivalent. Eg: check for the inputs Roman number
1X is equivalent to 9 and Roman number XI vis equivalent
                          1: The electional s provention 400
TOLL.
#include <statio.h>
#include < string. h>
void main()f
char a [10];
int total (10], sum = 0, i, l;
printf ("In Enter a roman number :");
gets (a);
1= strlen(a);
for (1=0; 1<1, 1+1) {
switch (a[i]) ?
case 'm': total [i]=1000;
break;
case'n': total [i]= 500;
break;
ease e': total [i]=100;
break;
ease L': total [i] =50;
case x': total [i] = 10;
break;
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: Starle (1)
 case'i': total [i] = 1;
                                                                                                                                                                      111 11.00 1
 break just provide the think to return the
                                                                                                                           1 1 1 1 1 1 7
sum = sum + total [i];
                                                                                                                                                                                                     41.11 .
Firter the Emeny members in about 19/10-15/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19/10-19
                                                                                                                                                                                                      19.54
 if (total [i]<total [i]17)& and management
                                                                                                                                                                             Lead III file
Sum = sum - 2*total [i];
 Printi ("In The decimal equivalent .1.d", sum);
           . M. She but grown married to homeron of million of gold of a gold in
INIPUT: Enther the roman number :xL
          is a production to a cond deman member of mi separation
 OUTPUT: The decimal equivalent 400
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                                                                                  points ("In Enter or remon number");
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