	Camlin Page No. 42	
Experiment Name / No.: 1.3	Date / /	
speriment Name / 1	Date	
	11	
LINEAR & BINARY SEARC	<u>: 17</u>	
AIM	molemeni	
write a neny ariven c program to implement		
5 unear search and Benery searces		
5		
22 + 7 (1 00		
ALMORITHM		
1 searce		
2 minuse me arr(20) and varable		
30 crease read buninos to read the cle	meny ob	
30 Create race of the second		
the array was in so as paremeter	o le mens	
4 viewe aisplay buninos to display the	- CUNCTURE	
5 crease linear function with x as purameter (element		
to be secreted)		
15 B. Ser blug = 0		
5.2 loop untill arr, cheux 16 arr(i) = X		
5.3 Wyes sex blag = 1 and breass.		
5.4 w blag = 0, pent element not bound		
5 crease bunaron senary wien clem	en w by	
20 surher as parameter		
6.1 ser seg = blag = 0		
6.2 loop unell icn-1 (n-) toral elements)		
6.2.1 loop unull jan-i-1		
6.2.2. usus a veriance timp sort o	verey and	
25 punt the survey array		
Teacher's Signatur	e:	

Experiment Name / No.:	Camlin Page No.
Experim	Date
	, , , , , , , , , , , , , , , , , , , ,
6.3 set ener = n-1	
6.4 while beg < = end	
6.4.1 nea = (beg + end)/2	
5 6.4.2 16 (arr(mia) = SC), prime ele	nen-bons
6.4.2.1 beag = 1	
6.4.2.2 breeys	
6.4.3 else lo arr(med) > (
set Cher = med -1	
10 6.4.4 else ser beg = mer + 1	
6.5 16 blag = 0, print element not	boune
7 m nam,	
7.1 print menu	
7.2 pener choice, and all respective	bunceions
815 Mup	
CONCLUSION	
The program was exerused corres	city and
ouper her been veribreel	
20	
25	
Teacher's Signature	e:

Experiment Name / No.:	Camlin Page No. 44		
BUBBLE, INSERTION & SELECTION SORT			
AIM			
write a meny-ariven program to implement			
5 Bubble sou provious sou and selection			
ALGORITHM			
20 grobally declare incegers i, i, n, temp and			
array a (10);			
3 declare void buneron energe) 3.1 rever, total number ob clements			
3.2 set i = 0, loop anuel i< n.			
4 delare buncaron cuspicay () to display une			
5 declary vous bushesort c			
5.1 set 1=0, loop unities isn			
5.1.1 sec- 5=0, loop j (n-i-1) 5.1.1 M (a(i))a(i+1))			
-> swap a (i) and a (i+1)			
6 deceare void anction insurtion-sort ()			
25 6.1 loop anne isn			
6.1.1 ser comp = a(i), j=i-1			
Teacher's Sign	nature:		

	A Name / No.:	Camlin Page No. 45	
Experi	ment Name / No.:	Date	
	6.1.2 where ((temp <a(i)) &="" (i)="</td" 2=""><td>=0))</td></a(i))>	=0))	
	6.1-2.1 a(s+1) = a(s)		
	6-1-2-2 5		
5	6.1.3 9(3+1) = temp		
	6.2 call display bining		
2			
7.1 su pos=15 small = a(K), i = 15+1			
	2.2 wop until i co		
10	7-2.1 w (aci) esmals		
	su-small = a(i), pos=i		
	3.3 recurs nos		
8			
	g. Set k = 0 loop unie K<1		
15	15 8.1.1 pos = Smallest- (15)		
	8.1.2 temp = $a(K)$		
	8.1.3 a(K) = a(pas)		
	8.1.4 a (pos) = xemp		
	8.2 call display bundon.		
9 20	In man		
_	9.1 rung meny		
_	9.2 read choice		
_	9.3 using swim cares call the very be	moun	
to	SUOP		
25	CONCLUSTON		
	The program was been executed corre	cely and	
	ourne aus ouen servicel.		
	Teacher's Signatur	re:	
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