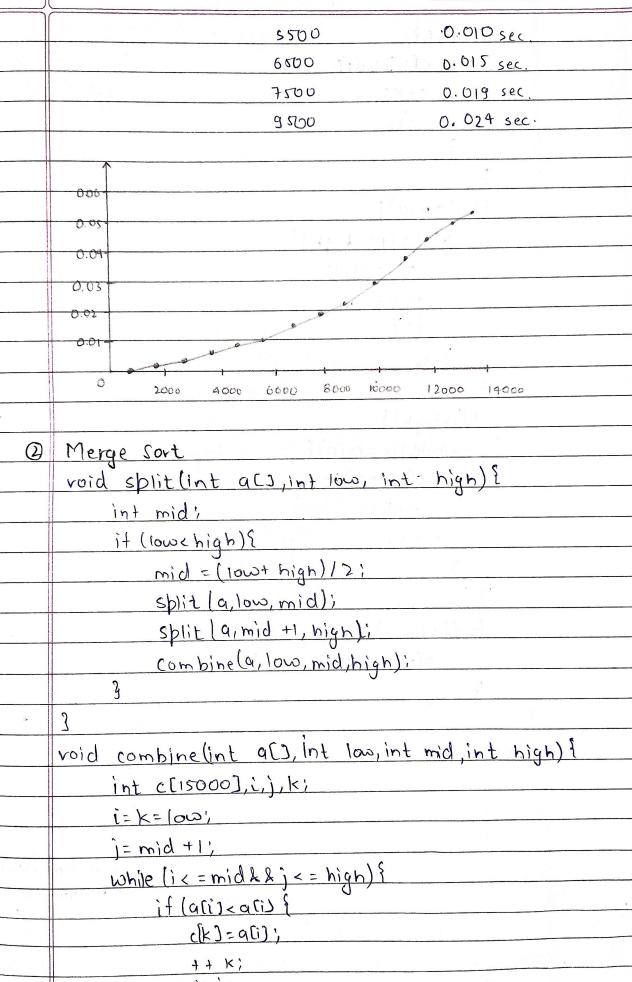
Date	
Page	

	Date Page
	LAB-S
0	Selection Sort:
_	# include <stdio.h></stdio.h>
	#include < time.h >
	#include < stalibh>
	void selsort (int n, int a[]);
	void main()
	ist a[isooo], n, i, j, ch, temp;
	clock_t start, end;
	while (1) f
	printf ("Enter your choice");
	scant ("y.d", Ach);
	switch (ch) {
	Case 1: printf ("In Enter no. of elecment: ");
	scanf ("V.d", Lon);
	printf("Enter array elements");
	for (i=0; i <n;i++) &<="" td=""></n;i++)>
	scanf("Y.d", Laci));
	start=clock();
	selsort (n,a);
	end = clock();
	printf ("I'm sorted array is:");
Ď.	for (i=0; i <n; i++)<="" td=""></n;>
	printf("Y.dtt", a [i]);
	printf ("In Time taken to sort i'd no. is y. a
	Secs', n, (((double)(end-start))/chacks_perse
	break;
	Case 2:
	n= 500;
	while(n <= 1\$500){

=	for(i=0; ixn; i++)1
	$\beta a(i) = n - i$
	3. 2 free reft 59/82 (1)
	Start=cloak();
	solenyt (n, a);
	for (j=0; j< 500000; j++) { temp = 38/600;}
	end=clock();
	printf ("In Time taken to sort Y.d numbers is
	y.f Secs", n, (((double)(end-start))/(loaks-per-set
	n=n+1000;
	§ . ]
	break;
	case 3: exit(o);
	3 8
	getchar();
	Con Jask book will all their force
	3 de la
	il abonds veningel 177 hard
	0/p:-
	1: for manual Entry of N. and array elements.
	2: To display time taken for sorting no. of elements
	3. 10 eut.
	Enter choice:1
	Enter no. of elements: 45
	Enter array elements: \$245 53 33 87 16
	Sorted array is: 32 16 33 45 53 87
	Enter choice: 2.
	Time taken to sort 500 no. is O sec.
	1500 0.001 sec
	2500 0.002 sec

Date	
Page	



z

	else {
	c[k]:a(j),
	4+K;
	++);
	3
	3
	it (i>mid){
	while (j<=high){
	dkJ=q(iJ);
-	1+ K;
	÷ + `) ',
	3
	ζ
	it (j>high) {
	white like mid) {
	((A) = a(i); (-1); (-1)
	++k;
	++i;
	3
	C. L. C.
	forli=10w; i<=high; i++){  9[i]=([i];
	qlij=clij;
	7
-	0/0/-
	0/p:
	2 0.3
	3 0.23
	SS Time (secs)
	Ms time (secs)
	0.05
	300 2500
	N-value