Allag Collection of Similar data type. Data type array name, array sizes Data typelven ( in gr siste - float wint with wind Crison Data till lov or Chich ( pd 3 35 ) a//ay Fr 12 2 ( P) 191 69/19/9/ 2 2 /0/19/0 / 1/20 July int a[5] Jon 7 20 3 5 1 1 2 1 1 - Color Dat 3 ( 1) Eli, w ( 1) 25 2 ) If types of alray Dimentional arry 2 Dimentional airay Multi dimentional array 1 Dimentional ally 3 Mis ( M. San Carl) 2 1/2 (M)

arrisi (i) 201 Cloume in is sin 2 (1) Or 39 Row 2 Dimentional ally Volita Gol Circins (P) Dio-Chi 3 gr Dow 10) Colum 011[5][3] Bow colum 5x3=15 element Multidemential array ام) کے ابند دوم سے زیادہ - Chiz m Row solchum The Col 2/2001 allay for gras elemente / lu gr (v1 011[5]= {1,10,3,4,5} ( cold in usel & colo) Stew for looks & w I (Mi - (ME) , fox ( i=0; i410; i+t) scarff" 1.d", 8 amil) - (J. 6/3 U1 8/11)

Mannolmal Jest & allay Millewi fox loops ? Law input so usel in 2) I output include (stolio.h) mainl int a1/15/i.J: prints ("Enter the value of array"); for ( i=0; (x 10; (++) Scanf("/d", Zatr[i]) 508 (i=0; i210; i++) Prints | "the value 19 %d", arr[i]); - Or programming 1)19 Sum vis 2 8/ 1252 2 Priviz (m) l'és la program Les Lis sum à value (m int a[S], i, sum=o; foolieo; ics; i+t) Scanf (" y.d", & ali];

fox(i=0; i=5; i++) SUM = Sumtasij; printfl" the sum of the number 18 % d" sum); oddess even i fi 12 [ M 201 2 (10) (10) Plint 110 Hinchedecstolia. hs mainl int. ass], even, odd, i, folli=0; iLS: i++) Sconf ("Y.d", Za[1]): folli=0; (25; (++) if ( ((1)/2 == 0) even++; plie odd++; printf ("the number of even - 1. chronol the nuber of oddis- 4d in; e Ven, odd);

	- 126 W mami 2 9 12 (m)
	pinchidecstelio.h>
	main ()
	int max, $a[5], i$ ;
	Scapf("%d", &a[i]);
2	FOX (i=0; i≈5; i+t)
~	$ \begin{cases}     max = = \alpha[i]; \\     if (max = \alpha[i]) \end{cases} $
	$max = \alpha(i)$
	?
	printf ("the max numis 100", mas);
	Minimum
	#Includec5folio.h>
	main()
	sox(ico; i∠S; i+t)
	sconfl print Briter a number);
	Scanf ("% d", Za(i));
	follieo; ics; itt
	if ( min > ali]
	$min = \alpha(i)$
PI	intf ("the minimum humber 18 1/cl", min)

Vinear search Fi jut 2 (M) - Gob 3 Seatch - Ugy U/ (Ji Soxt of (5 Ft sis 2 (JM) # include estations main() int a[10], i, flog=0, ket, pas; for(i=0; i=10; i+t). printf ("Enter anumber"); Scanf("/d", 3 a[i]); printf ("number by search"); S. Canf ("%d", 8 Key); forli=0; ic10; (++) if (a[i]==key) break;

if (flad = = 1) printf!" Number is found is 1.d possition, "pos); else printf!" pumber not found!"); Binear Search US Sort In w (1) 5 Fc 11/2 (P) mid Program Sprogram Sent Point logi de Fragram Sent Ugi End pointor Jost points Con (12 - ( Pri siles mid pour Ce 191- ( Pri Sepaint of we was stipe 2 (M) Show mid & 9 CML/ Seach 2. 2/ P. (Jbo Z. (M) 18-18 28 1 (M. Right & Of Contrest side Find program. # in clude a stello. h> main ( int all[7]={1,4,6,8,9,10,12}. int y=8; Search

int Joo; a start point int h=7; c-End point Int m; - mid point while(dz=h) m=()+h)/2; if ( Y = = a11[m] break; if ( Yz arr[m]) 15 ( J-h) Printf("/d not found 7h") 7.d's Y.ms; 33 "/d found! at Jocher

Selection Sort الرام و م الريخ الل اور كون سا عدر محفوقا الرام كو مطالق : ؟ الل كو مل الرام الرام الرام الرام الرام الرام الرام الرام الرام المام المام الرام الرام الم Swap formula. arráloc] = tem; sir first two the go swaj Proglam # spaludecoldio.h int 011[20], Size, i, i, loc, lein, min;

printf (Enter a element of array)
forli=0; i<size; (++); Scanf("/d", & arr[i]); for( i=0; i = Size-1; (++) min = arr[i]; doc=i; fox j=i+1; j<size; j++) if (arraj zmin) min = arr[i] Joca Si tem=our[i]; arr[i] = arr[loc]; printf('aflex selection of Sox-1 array Jemen"); fox(i=0; izsize; i++) Printf ("Yel", alli);

Bubble Sox 14 121ic if 14) 3/12 (10/ 5 3/12) 31 /2 2 1/20 1 (1/2 2/compile )1. 1/2/ Compute 1/2 00 1/1 (12 (11) Jo gle maximum of it point 219 End. Drogram # include < stolio.h> Main() int 01/207, siz, i, j, Swap, tem; Printf ("Enter size of the array); Sconf("10", 8817e); Plintf ("Enter a cullet clement"); fool i=o; issize; (++) Scaff 1.d", 2 all [i]);

fox(i=0; icsize-1; i++) Swap-0; for (j=0; j < (size-i)-1; j++) if (artis) artists ari tem= arres]; arresj= arrestij; arisitij= tem; swap=1 if (Swap == 0) break; printfl'after buble sort of allay"); forli=0; iLSiZe; itt) pintf ("%0", arr [i]);

Mean median, mode, 11/1/1/ Jao aveloge & jil2 ("1 :52. 10/2 / Sum of total num (sas Jo availe l'aluc y num (PET/ FIJI) or mid & SiNI (19) O'l i'median & VII O" ( 1) 16 of ( west ) 12 6 ( 12) (in/ 12/ 1/ 1 gy repeat I (in number Show of My In 1 pr repeat of stas 5 - OF IN neds Fisting program # sncJudec stolioth> # define SIZe 99 Void mean (constainstaint answer []); void mediant void mediant unsigned int answer []; void modelusigned int freg[]]; void bubble sort lint al IT: void print array (unsigned const troas) int main() Unsigned int frequency[10]= {07

usigned in response [size]= § 6, 7, 8, 9, 8, 7, 8, 9, 8, 9, 7, 8, 9, 5, 9 8,7,18,7,8,6,7,8,9,3,9,8,7,8 7, 7, 8, 9, 8, 9, 8, 9, 7, 8, 9, 0, 7, 8, 7 8, 7, 9, 8, 9, 2, 7, 8, 9, 8, 9, 8, 9, 7, 5 3, 5, 6, 7, 2, 5, 3, 9, 4, 6, 4, 7, 7 9, 6, 8, 7, 8, 9, 7, 8, 7, 4, 4, 2, 5 3, 8, 7, 5, 6, 4, 5, 6, 1, 6, 5, 7, 8, 75; mean (jesponse); median ( 1esponse); mode (frequency, response); void mean (onst unsigned int answer[]) intij, total =0; prints ("the mean 18"); fox(j=0,j2512;++1) total = total + answer (i); i= total2; Printfl"The menn is the average value % cl grze %d total %d Value of i", Size, total, il:

void median (usigned intanguer ) printf(" redian"); print avail answer); bubble soxt (answer); printf ("sorted array"); printiallory (answer); I'd the Size of dement 1/61 miclian of the", Size/2, size, answer(siz/2]); Void mode lunsigned int fee []. Constant int answer[] Size-t rating: Size-t j; unsigned int h: Wigned in lagerst =0; it moderable o; Drinds (" flode"); fox ( rating = 1; rating = 9; ++ fating) } freq[rating]=0; } fox (1=0; jusize; ++j) ++freg[answer[]]; } THEFF CASWOLD]; } plintfl"/.5 %.115", "Response", frequency") foo ( rating = 1; rating 2 = 9; ++ rading)

Prints ["% 8 W. / W", rading, frog [rading]] if I free [rading] > Dargest) latest - Sret [rading]; moderalue - radird; Jargast value", mode value, lorgest); (CTP for bongison) foces Eddud Lois int pass, i, hold; for (pass=1; pass Lsize; 11pas) fox (1=0; 1251ze-1; ++1){ it (a(i) > a(i+1)) 8 hold-ali]; a[j] = m[j+1]; a[j+1]= hold; void printuliay (const unsigned int si

foold=0; 1/25ize; ++1)

if (j;/20==0)

put("");

printf ["/d", a(s));