Array UPLOADED BY AHMAD JUNDI int A[5]; 23 index (subscript) int A[5] = [32, 7, 5, 4], A 3 2 7 5 4 uit A[5] = [1, 5]. 15000  $inf A [ ] = [57] \cdot (A[2] = [12,7])$ A 57 IN A[5] = [0] = [UBI BADige - By user: 69 int grades [4]. Entergra 60 grades 70 70 Int i: for (i=0; i<4; i++)? (soperations grades []= grades[] 100 printf ( "Enter grade (n"); grades [0] ~ grades [2] Scenf ( "%d", Scyrodes [1]); + grades [3] 60 9 grades [X-2+1]=7;

6 Jure 221 UPLOADED BY AHMAD JUNDI Sasic accays stinclude <stdio.h.L stratefine S 4 int main () int A [5] = [52,7]; ind sum = of is max; ava; for (i=0; i<5; i++) Sum += A[i] ang flat Sum 15 max = A[0]; for (1=0; 125; 1++) If (ALI] > max) max = A[i]. torays with functions :-# define SA EIBS ( int ); int max( int [ ], int); inf main A[s] = [5,67,2]; int

حا ال m=max (A, S); size UPLOADED BY AHMAD printf ( max = lod , m); retur o: A = SAE0] int max (int & J, inth) size 1-3 ILL IS Q IL and las تلع اول عفر فنها ی می اف اور ای الم ای الم تر بط ای [4] main max output sight inform=X[0], i; for ( i = a; i (n) i ++) 4 A 516173 16 (XEi] >m 1ª F m = X[i];0 return m. finear search ids 57 4 17 26 · of she ids is 17 a Record

wele < Stolic. h> 3 UPLOADED BY AHMAD JUNDI define 55 Binavery sarch int finsrch (int[]; int, int); int main () inh Rey, A[5] = [1,2,7,46]. Printf ( " Enter Keyln") Scanf (" rod", Skey ); pos = lin Srch (AS, Key); 17 (pos==-1) printf ( "", d No such Key", Key); else print [" " dies at position ". d, Key, pos). int lin Srch (int BE], int n, int K) for ( i = 0; i < n; i++) if (B[i]== K) retwen i; return -1; lin Srch / aut main EF. B A 1 2 7 4 6 8 No such Key Trey

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> Sorting & Bubble Scorf

5 2 7 4 6 2 44 45 6 7

UPLOADED BY AHMAD JUNDI Bubble Sont 8 18 10 10 5 4 7 2 7 A 8 8 5 2 10 - First A 2 \$ A A 1 A e second 25 A 2 5 8 10 . We need two loops (function) Void Sort (ind AE ], int n) int is is temps for (i=0; i <n-1; i++) for ( j=0; j<n-1; j++) uf (AEJ >AEj+1]) Lemp = A[S]; ACJ]= ACj+1]; A [i+1] = Lemp: Print F ("Enter Word) for (1=0; i < n; i++) seanf (2, c", Sletters [i]).

0

UPLOADED BY AHMAD letters hle 1 1 0 hello ~ for (i=0; i<n; i++) if (letter [i]==é') العياد عدر حروف ع في الك ليم Ecaut ++; · Multi dimansional Annays:--> 2 dimensional Arrays ~ int A E2JE3J. Fows Columns A = 0 1/2 A = $inf A[2][3] = \left[ \left\{ 523, \left\{ 3463 \right\} \right];$ 2×3 2Rous 3cale To enter elements by user:-#include <st clia h> # défine R 2 # défine C 3 int main () int A[R][C]. inh 1, j; for(i=0; i<R; i++) for (j=0; j<C; j++)

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3

scanf (""", d", SAEi][j]);

ACOJCIJ

Enter Value

10

3

A 0 10 3 5 5 ACOJCOJ Enter Value Q 2

A [0][2] 3

6 AEI][0]

$$\frac{2}{4E^{1}E^{1}}$$

for 
$$(i=0; i< R; i++)$$
  
for  $(j=0; j< C; j++)$   
 $\begin{cases} Sum + = A \sum i ] \sum j \\ max = A \sum j [ 0 ] j \\ max = A \sum j [ 0 ] j \\ 1 > Choose Max \\ for (i - max) \\ for (i - max) \\ \sum j (A \sum j D ) max \\ Max A \sum j D \\ 1 > max A \sum j D \\ 1 > max A = 1 \end{cases}$ 

UPLOADED BY AHMAD JUNDI

Sinclude <stdiah> ≠ debine R 2 ≠ define C 3 void printArry (int [][c], int, int); int main 1 3 int A[R][c]= { { ! 2,3}, [4,5,6] }. print Array (A, R, C). nehurn Oj Void print Array (int BEJECJ, intr, intr) 3 int is; for lizo; i<r; i++) for (j=0; J<C; j++) printf ("solu, ACIJEJ]. print ("m"). print Array main 01231

chure 2

every Column UPLOBDED BEARMYAD JUNDIS · A Code to Sum introum [R] - [0]; for (1=0: 1 < R; 1++) for (j=0; d×c; j++) 5 Avg 7 a Sum EN] + = A[i][i]. To find Arg :-5 Use another leop with Avy [i] 2 Sum[i]/3.0; • strings . it's a character Away Chav name [10] = Almad ahmlad 101 size > characteres + nell Cher name [] = "ali"; IUN U al li 10/ NUN Welley Ohar name  $[6] \in [a', l', i'];$ name alli 1 1

6

\_Char Word [7]; Printfer ("Enter Word in"); Wordz Sword [e] scanf ( ""ss", word); No adress Printf ("Word is ", 5", words); Word b ye 10 you can't dois 5, = SiX bye char S.E] S.E] word is bye  $\rightarrow \psi(s, = -s_2)$ Enter word ali in ali inthis case don't use scanf use function (gets) gets (word) FX: Cher Sul 100]. gots (sent) HOW are your

ing bunchions In clucle UPLOADED BY AHMAD JUNDI 6 stropy (Si 32). strncpy (SIS2,n). streat (S, Sz). stracat (S, Sz,n). Strcmp ( S1, S2), stracmp (si, sz, n); Note: str len (SI); - jue Constantzo 200--Str hold -, -]. strepy (s, <u>sounin</u>) Constant stropy Chur Si [ 10] ~ali" char Sz[6] z ahmad" 32 lath Im adro SzzSi, X  $S_i [a][i]_{i}$ stropy (52,5, ). lementer as on and strncpy [ S1, S2 2); char 2 del sul S J Sz in null zig C, A/X/10 51[2] = (10); athmlald

Stra cat (S, S2) 2 Array SPLOADED BY AHMAD JU

Stremp (3, , S2, 2) ===0

لمتاذبة جزء

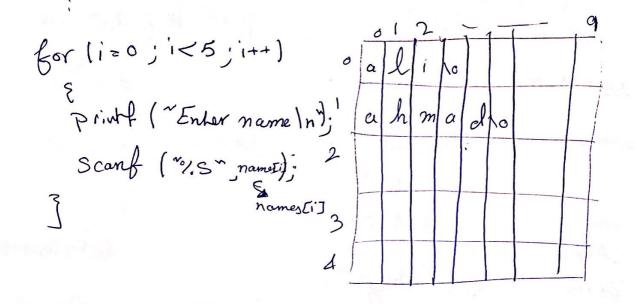
(low (" almaach)  
null 1 = ruel?  

$$gintf ("xid", S)$$
  
 $aud 2 = 200 \text{ spin}$   
 $f (stri] = (a)$   
 $aud 4 + 200 \text{ spin}$   
 $i = strlen (st)$   
 $i = 200 \text{ spin}$   
 $aud 1 = 200 \text$ 

names [5] [10];

Char

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inc. 25 :-0 UPLOADED BY AHMAD JUNDI finclude <stolio.h> Hinclude <string.h> # define S 5 int main () 3 char name [5] [10]; Lemp[10]; intiju, Printf ("Enter any live names In"); for (i=0; i<s; i++) Scanf ("25", names [i]); for (1=0; 1<5-1; 1++) for (j=0; j<5-1; j++) one dimension loi Septole's 2) Arry A Rates E BY Value (Bil) 12 (stricmp (names[i], names[i+)) Bubble Sorti Samah lo Bing ? ali stropy (tomp names [j]); Samah Strcp(names[j], names[j+1]]. Strcp(names[j+1], temp); Zing emen

StrtoK. PLOADED BY AHMAD Follinison بأخذمنها قصح er: how, are, you #include < Statio. h> #include <string.h> # define S 100 inf main () Char sent [5]; Char + token; printly ("Enter sentence" In"); gets (sent); to Ken= string Strtok (sent, "a"); معنامان لقب عمومه أو نقطة او \_ \_ [قطع while (token != NULL) > { Printf (" %s\n", token). space tolken = StrtoK (NULL, "I"). now ane you Rei Argung return O; token

include < Stalio.h> Ø UPLOADED BY AHMAD JUNDI \* include < string. h> # define 5 100 int main () Exput :cher Sent [s], words [10][20]; How are you char \* token; printf (" Enter sentence (n"); gets (sent); Words to I den = strtok (sent, " "). while (foken I,= NULL). how lo Stropy ( Words [ i+], token); 2 you lo to Kenz Str tok (NULL, "). foken jist 220) keturn O; Strepy (word [i] "is")? for (j=(1-0; j>zo; j=-) print ( " % S i , Words [ ] deg K B are how you