05

XU

include < statio.h?

include < statio.h?

define Size 30

wid to Lower Case (char plain(), int ps)

Sint i;

for (i = 0 °, i < ps; i + +)?

if plain(i] > 64 kk plain [i] < 91)

plain (i] + = 32;

int remove Spaces (chart plain, int ps)

{ int i, count = 0;

for (i = 0; i & ps; i++)

if (plain[i]!='')

plain (count] = '10';

return count;

3

```
void generate pey Table (charkey [], int ks,
char key T(5)[5])
      jestaib * 0 = palf , diety;
       diety= (int *) callac (26, rise of (int));
       Jan (i=0; i x bs; i++) {
          int (beyfi) != ' &')
              disty[key[i]=97]=2;
          diety[ ; - 97] =131/
         for ( 2 = 0 , b < bo; K++ ) }
         if ( diety [ key [ K ] - 97] = = 2)
                    diety [ pay [K]=97] -=1;
                  key T[i][i] = key(k);
                     £++;
                 3( == 5) fi
```

1.62 11 11 1 to for (k=0; k<26; k++){ if (diety (k) == 0] } kay T[i][{]=(char)(k+97); 3++3 #(j==5){ . 1 . 1 . 12 2 7 5 word search (char key T[5][5], clar a, char b, ([] rees trui è d'aut is d's if (a = = 3) a=1135 alse if (b=='3') b='2'; Jan (i=0; i25; 244)

```
for (i=0:3665 4) }
if (key T[i][i] ==a)
      if=[1] sero
alse try if (key T(i)(j) == b)
       and [3] = 6;
    return (a'105);
 (arty bin, [3 reter reads) erregory tim
    if (ptus % 2! = 0) {
         ; 'S =[++ entq) reta
       stor [ ptes ] = 10'
```

: arty menter [EET] ped rab, [Treta reads) topreme low ¿ intisal4]; for (i=0; 14ps; 1+=2) Ebel 1 tibeta, Cireta Tread) Marcada if (a Co] = = a(27) } ster(i) = pey T[a[0]][mod 5(a[1]+1)]; ster (i+i] = beyT [mads (a[2]+1)][a[i]] 2 sale strili] = pey T[a[o]][a[3]]; eterlit i) = key T[a[2]][a[i]]; averypt by Play fair Cipher (char stre [] charley] char buy [])

```
Char ps, bs, bey T[5][5];
ks = stolen (key);
     remaine 5 parce ( Dey 5 bs);
 to Lower Case (key, ks);
 ; (retr.) nebreta = 69
 to Louise Case ( stor , ps);
 ps= prepare (ater, ps);
  generate by Table (key, bs, key T);
 i ( eg, Tyes, reta) toppener
             well front litely with
() niew trul
     cher str (Size), bey [Size];
   ; ( "judnemon", gred ) granter
    pountly (" bey taset: "los \", key );
   ¿("stremmetari", retas) jegareta.
  perint (" Plain text: "/os /n"; ster);
 encoupt By Play fair Cipher ( ster, bey);
 printf (''cipher teact: 10's In", ater;
```