```
Quick golf:
                                              6(8/24
#include < Aldio. h)
# include ( Rtdlib. h)
# include (time . h)
                                       Charles in the
roid swap (int * p1, int 2)
                                               Combobs from
                                          MITTER OUR THORE HIS
2; nt temp;
   temp = *p1;
                                must be in settle many wife).
   +p1 = +p2;
                                       C1+1 (45) (0.1)
int patipactition (int arril], int low, int high)
                     profile in their House is yet in rest was now
  int pirot = an [high]; 2410,101 (Choth - 600) ( des ab)
   int 'i = (low - 1);
                                                     , does
   for (int j=low; jjqh; j++);
        ig(out) < pivot) &
           map(&an[i], ean[j]);
     map (& arr[i+1], &-arr [high]);
      notion (i+1);
wid quickzort (ind are [], int low, int high)
                             1 (-m, 0, 0) toold
   ig ( low < high ) ?
          int pi = partiton (an, low, high);
quik sort (an, low, pi-1);
           quickSort (am, pi+1, high);
                                     in shall a fue
                           quick Sollo a, n -1);
int main ()
   interalisono], n, & i, j, ch, temps 10 000
   clock to start, and
   print f(" n1: tot manual entry of N value & away elements");
       point f ('Inz: 70 display time taken for softing number of elevents
       printf ("In3: Po exit");
        printf("in Enter your choice;");
Non f(":/.d", kch);
switch (ch)
                                                 . 5 MD
                                         Cxillo);
              print f ("In Entre the number of dements: ")
Stanf (" 1.d", & n);
```

```
posint f(" in Futer oursey elements: ");
           fol(i=0; 'Kh'; i++)
             scenf (" 1.d", ba[i]);
                                           (2 stri , 19 to ) drain
           start = dock ();
           quidesout (a, o, n-1);
           end = clock (7;
            printf (" In Solled array is : ");
            for (i=0; i<n', i++)
                                                           (J-19) - 69%
              printf (" "d l+", a [i ]);
            print f ("In time taken to noch "d number to ". f see", in,
               ((double) (end - stort)) / CLOCKS_PER=SEC);
                                        *(++1 : Dods) 1 was
            break',
                                                 & tourn = [i] xeo in
        Care 2:
                                    b (Rome (I); e ass ());
             while (m<= 14500)
                                 i + 1 ? i so as [ 1 + 1] seco = ) ficis
                fol (i=o; icn;
                  ali7 = n-i;
                                 this, was ton - ( Javo by) Housting his
                 start = clock (7)
                 quick Sort (a, o, n-1);
                 for (j=0; 125.00000 10 j++) million = in
                                   quite form, was, profiting
                   temp = 38/600; 2 (Now 1+ 19 NO) toolding
                  end = clock(?)
                  quickSort (a, o, n-1);
                                                            CJALLOWIN
                  for ()=0; j<50.
                  printf ("In Time taken to wet. I'd numbers
                     is y, & Secs", n, ((double)(end-Hat)))
                  and v. is to who lawsom to in 19 trues
 Society persons
sturely pe policier
                  n=n+1000; ent popul of tour
                 bereak;
                                       1. NO OT: EN/ 1) & Ling
                                 want way who wit ) thing
             Case 3:
                                       with the later than the
                  exit(obi
            get char();
   queturn 0;
```

