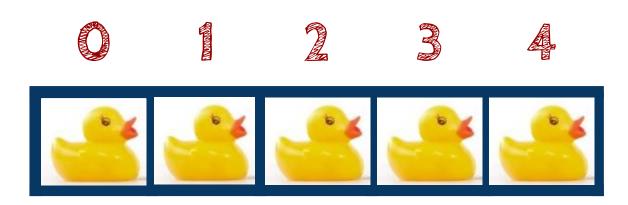
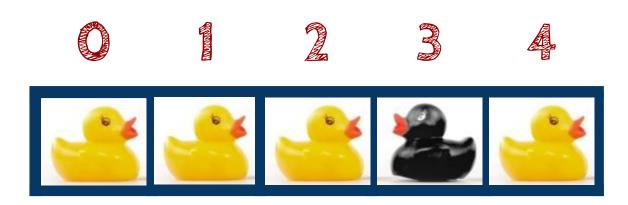
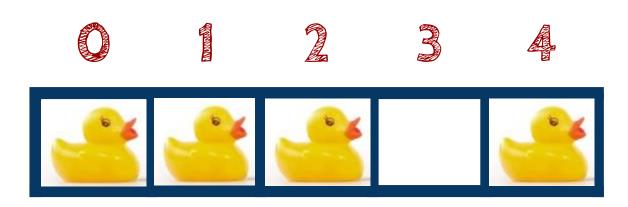


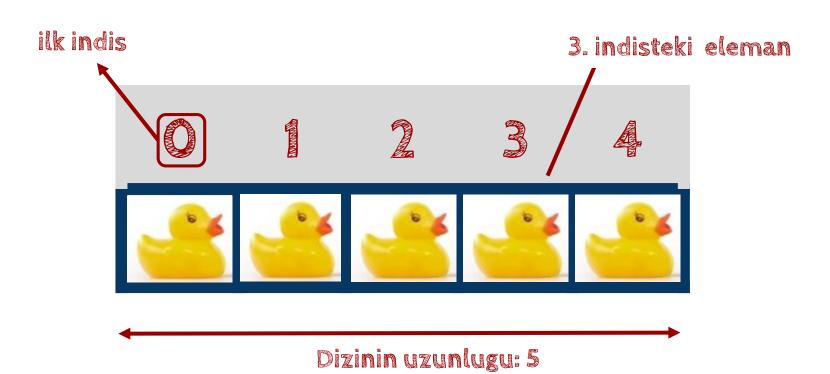


Suhap SAHIN
Onur GÖK
Fidan Kaya Gülagiz









```
    0
    1
    2
    3
    4
    5
    6
    7
    8
    9

    35
    33
    42
    10
    14
    19
    27
    44
    26
    31
```

```
int dizi[10]={35,33,42,10,14,19,27,44,26,31};

tip
```





index: O'dan baslar

Dizinin Boyutu: Sakladıgı eleman kadardır

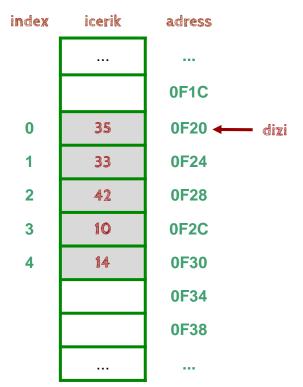
Erisim: Dizile elemanına erisim için index numarası kullanılır

Belek Verlesimi

int dizi[5]={35,33,42,10,14};

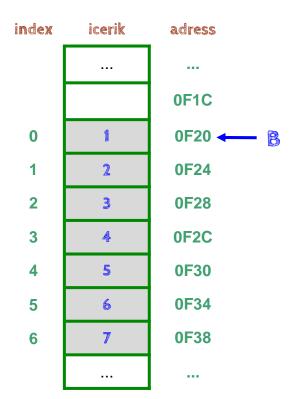
 0
 1
 2
 3
 4

 35
 33
 42
 10
 14

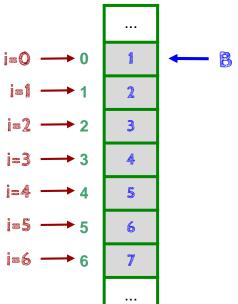


Dizi Taniana

```
#include <stdio.h>
void main() {
  int A[5];
  A[0] = 111;
  printf("A dizisinin 1. elemani: %d\n", A[0]);
  A[1] = 222;
  printf("A dizisinin 2. elemani: %d\n", A[1]);
  int B[7] = \{1,2,3,4,5,6,7\};
```



Dizi cinde dolasma

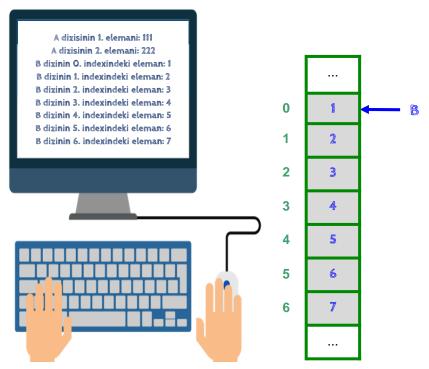


```
#include <stdio.h>
void main() {
  int A[5];
  A[0] = 111;
  printf("A dizisinin 1. elemani: %d\n", A[0]);
  A[1] = 222;
  printf("A dizisinin 2. elemani: %d\n", A[1]);
  int B[7] = \{1,2,3,4,5,6,7\};
  int i;
  for (i = 0; i < 7; i++)
```

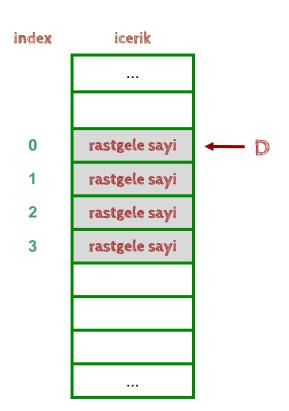
index	icerik	adress		
		0F1C		
0	1	0F20 ← 8		
1	2	0F24		
2	3	0F28		
3	4	0F2C		
4	5	0F30		
5	6	0F34		
6	7	0F38		

Dizi Taniana

```
#include <stdio.h>
int main() {
  int A[5];
  A[0] = 111;
  printf("A dizisinin 1. elemani: %d\n", A[0]);
  A[1] = 222;
  printf("A dizisinin 2. elemani: %d\n", A[1]);
  int B[7] = \{1,2,3,4,5,6,7\};
  int i;
  for (i = 0 ; i < 7 ; i++)
     printf("B dizinin %d. indexindeki eleman: %d\n", i, B[i]);
```



rasteele savilar lo, 1001





rasteele savilar lo, i o o i

```
#include <time.h>
                                                                         index
                                                                                       icerik
                                                                                                      adress
void main() {
                                                                                                         ...
             int D[4];
                                                                                                       0F1C
             srand(time(NULL));
             int i;
                                                                           0
                                                                                   rastgele sayi
                                                                                                       0F20
             printf("--- Rastgele 4 sayı üretiliyor [0,100) ----\n");
                                                                                   rastgele sayi
                                                                                                       0F24
             for (i = 0 ; i < 4 ; i++)
                          D[i] = rand() \% 100;
                                                                           2
                                                                                   rastgele sayi
                                                                                                       0F28
                                                                           3
                                                                                   rastgele sayi
                                                                                                       0F2C
                                                                                                       0F30
                                                                           4
                                                                                                       0F34
                                                                                                       0F38
                                                                                                         ...
```

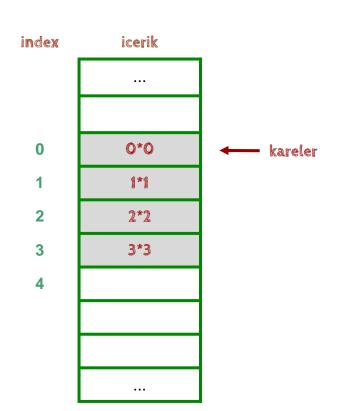
rasteele savilar Lo. 1001

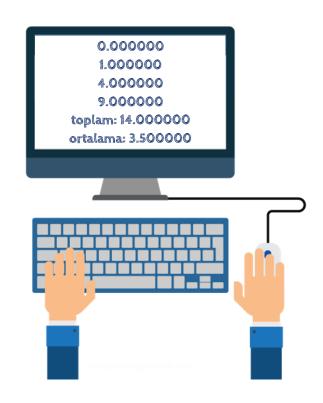
```
#include <time.h>
int main() {
            int D[4];
            srand(time(NULL));
            int i;
            printf("--- Rastgele 4 sayı üretiliyor [0,100) ----\n");
            for (i = 0 ; i < 4 ; i++)
                         D[i] = rand() \% 100;
            printf("--- Üretilen sayılar bir dizide saklandı ----\n");
            for (i = 0 ; i < 4 ; i++) 
                         printf("Üretilen %d. sayı = %d\n",i+1,D[i]);
```

```
Üretilen 1. sayı = 39
Üretilen 2. sayı = 50
Üretilen 3. sayı = 8
Üretilen 4. sayı = 25
```

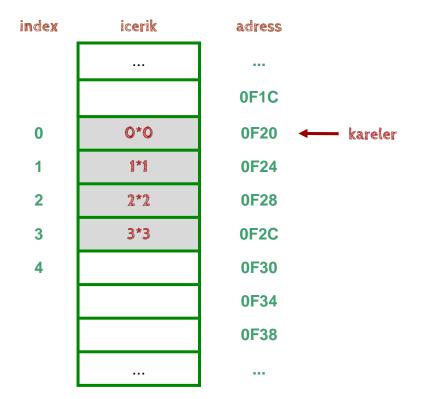


Sayların karesi [0,4]





#include <stdio.h>



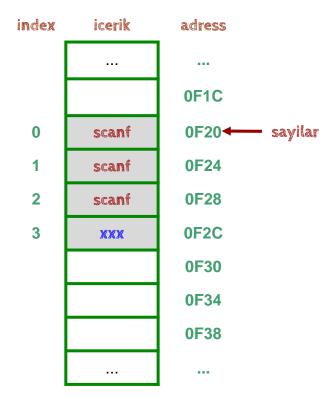
Savilario Raresi Continue

```
#include <stdio.h>
int main() {
             int i;
             float kareler[4];
             for (i = 0 ; i < 4 ; i++) 
                           kareler[i] = i*i;
             for (i = 0 ; i < 4 ; i++)
                           printf("%f\n",
kareler[i]);
             float toplam = 0;
             for (i = 0; i < 4; i++)
                           toplam +=
kareler[i];
             float ortalama = toplam / 4.0;
             printf("toplam: %f\n", toplam);
             printf("ortalama: %f\n",
ortalama);
```



Dizioeki en kucuk sayı





DIZIOEKI EN KUÇUK SAVI stdio.h>

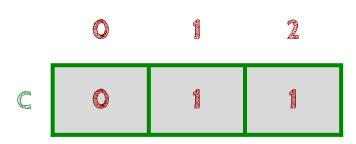
```
#include <stdio.h>
int main() {
              int sayilar[4];
                                                                                           index
                                                                                                       icerik
                                                                                                                    adress
              int i, N;
              do {
                                                                                                        ...
                                                                                                                      ...
                            printf("kac sayi gireceksiniz? (max:4)
                                                                         en_kucuk
                                                                                                                    0F1C
");
                            scanf("%d", &N);
                                                                                             0
                                                                                                                    0F20
                                                                                                                                 savilar
              } while (N > 4);
              for (i = 0 ; i < N ; i++) {
                                                                                                                    0F24
                            printf("sayi girin: ");
                                                                                                                    0F28
                                                                           sayilar[2]
                            scanf("%d", &sayilar[i]);
                                                                                             3
                                                                                                                    0F2C
                                                                                                       XXX
              int en_kucuk = sayilar[0];
                                                                                                                    0F30
              for (i = 1; i < N; i++) {
                                                          sayilar[2] = 3
                                                                          en_kucuk = 1
                            if (sayilar[i] < en_kucuk) {</pre>
                                                                                                                    0F34
                                           en_kucuk = sayilar[i];
                                                                                                                    0F38
                                                                                                                      ...
              printf("en kucuk eleman: %d\n", en kucuk);
```

Orner Taban cevrini

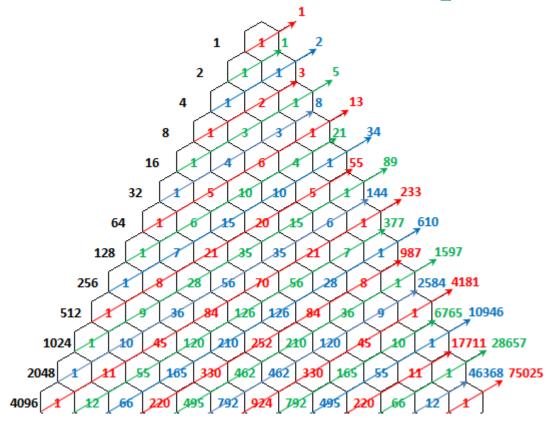
sayi1 = 5	taban =2	sayi2 = 2	taban =2	sayi3 = 1	taban =2
	bolum1=2		bolum2=1		bolum3=0
_					
kalani = i		kalan2 = O		kalan3 = 1	

Orneka Taban çevrimi

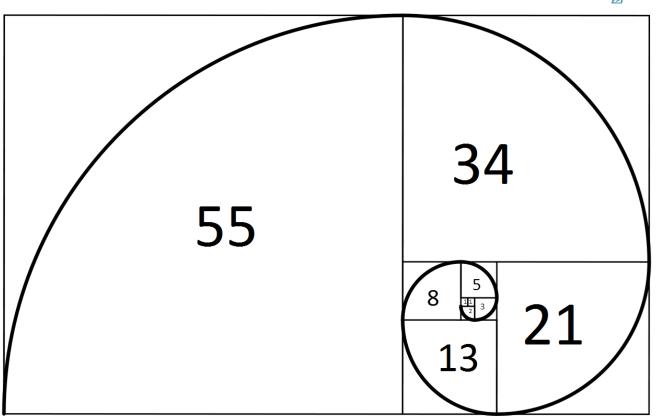
```
#include <stdio.h>
int main()
  int sayi, taban, kalan;
  sayi = 6;
  taban = 2;
  int C[3];
  int i = 0;
  while(sayi>0){
     kalan = sayi % taban;
     sayi = sayi / taban;
     C[i] = kalan;
     i = i+1;
  for(i=2;i >-1;i--){
     printf("%d",C[i]);
```



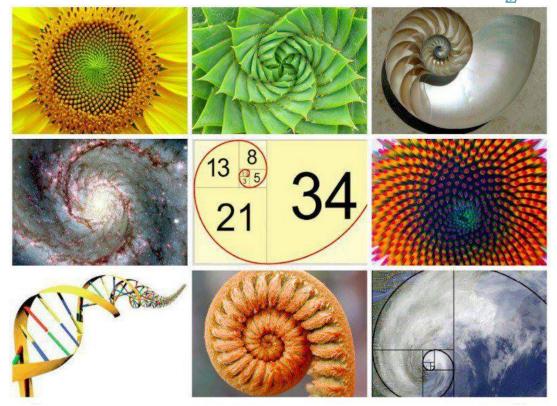
Orne Floonacci Sayıları



Office Floonacci Sayıları



Ornek Fibonacci Sayıları



Orne Fibonacci Sayıları

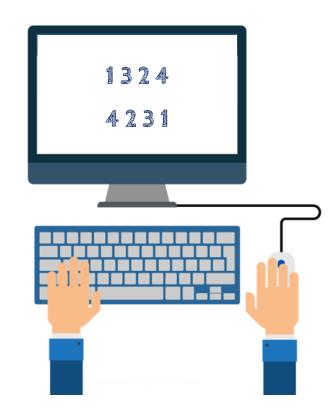
$$1+2=3 8+13=21 \\
0+1=1 3+5=8$$
int A[10]={0,1,1,2,3,5,8,13,21,34};
$$1+1=2 5+8=13 \\
2+3=5 13+21=34$$

Ornella 10 sibonacci sayıları

```
#include <stdio.h>
int main()
  int A[10];
  A[0]=0;
  A[1]=1;
  int i:
  for(i=2;i<10;i++){}
     A[i] = A[i-1] + A[i-2];
  for(i=0;i < 10;i++){
     printf("%d,",A[i]);
```

```
i = 0 1 2 3 4 5 6 7 8 9
A 0 1 1 2 3 5 8 13 21 34
```

Office Dizivitersten vazor



OFFER DIZIVI tersten vazour

int
$$A[4]=\{1,3,2,4\};$$

int
$$A[4]=\{1,3,2,4\};$$

int A[4]=
$$\{4,3,2,1\}$$
;

int
$$A[4]=\{4,2,3,1\}$$
;

```
#include <stdio.h>
int main()
  int N,S,gecici;
  N=4;
  int A[]=\{1,3,2,4\};
  S=N/2;
  int i;
  for(i=0;i<S;i++){
     gecici=A[i];
     A[i]=A[N-i-1];
     A[N-i-1]=qecici;
  for(i=0;i < N;i++){
     printf("%d,",A[i]);
```

Ornek En kuçuk ve en büyük



Ornek. En kuçuk ve en buyuk

```
int A[4]=\{1,3,2,4\};
min = A[0]; min = 1
max = A[0];
               max = 1
               min = 1
min > A[1];
max < A[1];
               max = 3
```

```
#include <stdio.h>
int main()
  int N,max,min;
  N=4;
  int A[]=\{1,3,2,4\};
  min = A[0];
  max = A[0];
  int i;
  for(i=0;i<N;i++){}
     if(A[i]>max){
        max = A[i];
     }else if(A[i]<min){</pre>
        min = A[i];
  printf("%d %d",min, max);
```

int A[5] =
$$\{1,2,3,4,5\}$$
; elde =1;
+ int B[5] = $\{9,0,0,3,7\}$; \pm
int C[6] = $\{1,0,2,3,8,2\}$;

elde =1;
$$A[4] = 5;$$

 $+B[4] = 7;$
 $C[5] = 2;$

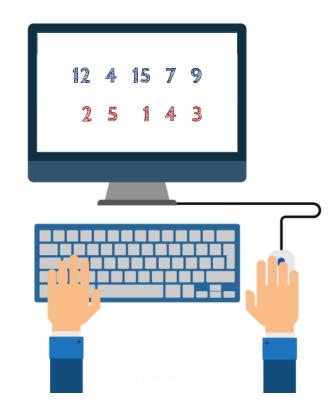
$$C[i+1] = (A[i] + B[i] + elde) %10;$$

elde = $(A[i] + B[i] + elde)/10;$

#include <stdio.h>

```
int main()
  int N,T,elde;
  N=5;
  int A[]=\{1,2,3,4,5\};
  int B[]=\{9,0,0,3,7\};
  int C[6];
  elde = 0;
  int i;
  for(i=N-1;i>-1;i--){
     gecici = A[i] + B[i] + elde;
     C[i+1] = gecici %10;
     elde = gecici/10;
  C[0]=elde;
  for(i=0;i<N+1;i++){}
     printf("%d",C[i]);
```

OFFICE BUYUK SITASI



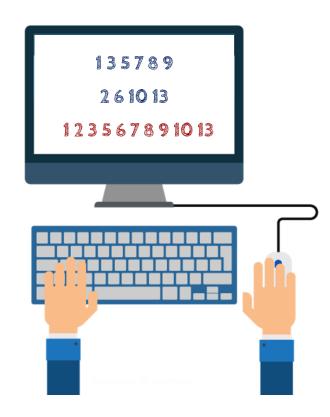
OFFICE BUYUK SITASI

int A[5]=
$$\{12,4,15,7,9\}$$
; int Y[5]= $\{1,1,1,1,1,1\}$; int A[4]= $\{12,4,15,7,9\}$; int Y[5]= $\{1,2,1,1,1\}$; int A[4]= $\{12,4,15,7,9\}$; int Y[5]= $\{2,2,1,1,1\}$; int A[4]= $\{12,4,15,7,9\}$; int Y[5]= $\{2,2,1,2,1\}$; int A[4]= $\{12,4,15,7,9\}$; int Y[5]= $\{2,2,1,2,2\}$;

OFFICE BUYUK SITASI

```
#include <stdio.h>
                                 void main()
                                    int N=5,T,elde,i,j;
                                    int A[]=\{12,4,15,7,9\};
5
                                    int Y[5];
                                    for(i=N-1;i>-1;i--)
                                                              Y[i] = 1;
                                    for(i=0;i<N;i++){
                                       for(j=i+1;j<N;j++){}
                                          if(A[j]<A[i]){
                                            Y[j]++;
                                         }else{
                                            Y[i]++;
                                    for(i=0;i<N;i++)
                                                               printf("%3d",A[i]);
                                    printf("\n");
                                    for(i=0;i<N;i++)
                                                               printf("%3d",Y[i]);
```

Orneks stationales bit estroe



OFFICIAL CIZILET DIFLESTIFINE

```
#include <stdio.h>
void main()
  int N=6,M=4,ia=0,ib=0,ic=0,i;
  int A[] = \{1,3,5,7,8,9\};
  int B[] = \{2,6,10,13\};
  int C[10];
  while(ia<N && ib<M){
  if(A[ia]>B[ib]){
     C[ic] = B[ib];
     ib++; ic++;
  }else{
     C[ic] = A[ia];
     ia++; ic++;
  while(ib<M){
  C[ic] = B[ib];
     ib++: ic++:
  while(ia<N){
  C[ic] = A[ia];
     ia++; ic++;
  for(i=0;i<N+M;i++){}
  printf("%d ",C[i]);
```

SOFULAT

