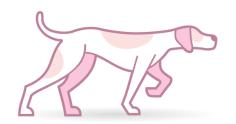
POPEE





Gonulu Sistemler Laboratuvari

Hafiza Yerlesimi

```
#include<stdio.h>
int main () {

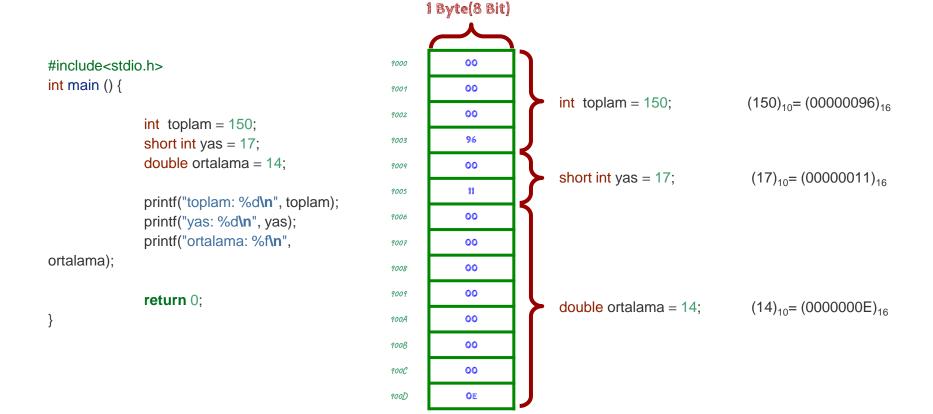
    int toplam = 150;
    short int yas = 17;
    double ortalama = 14;

    printf("toplam: %d\n", toplam);
    printf("yas: %d\n", yas);
    printf("ortalama: %f\n",

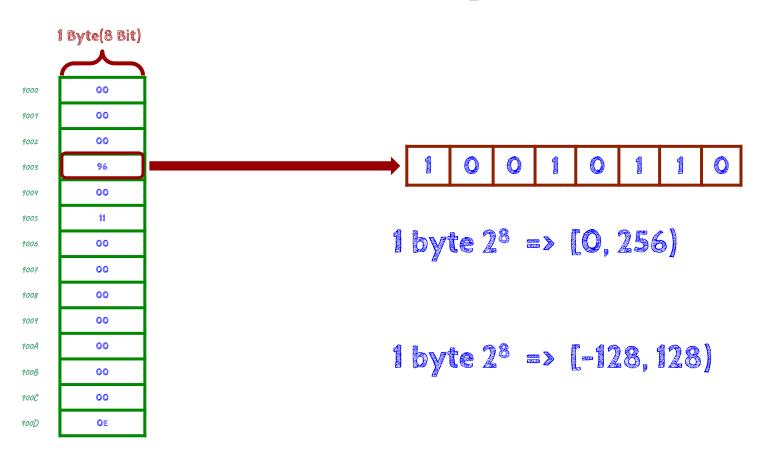
    ortalama);

    return 0;
}
```

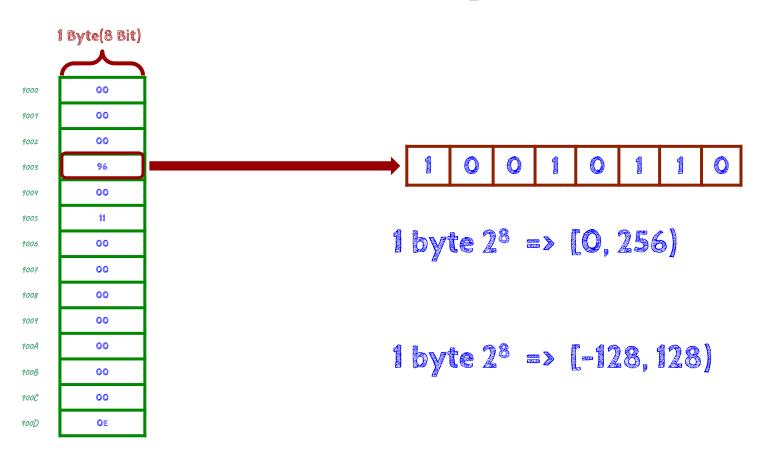
Hafiza Yerlesini



Hafla Yellesini



Hafla Yellesini



Hafiza Yerlesini

```
#include<stdio.h>
int main () {
               char a = T';
               char b;
                                                         9000
               char c = 'S';
                                                                       84
                                                         9001
                                                                                   a
               char d = 'T';
                                                                       69
                                                                                   b
                                                          9002
        b = 'E'; '
                                                                       83
                                                         9003
                                                                                   C
        printf("a = %d\n",a);
                                                                       84
               printf("c = %d\n",c);
                                                         9004
                                                                                   d
               printf("d = %d n",d);
                                                          9005
                                                         9006
```

```
return 0;
```

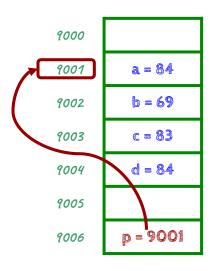
Adres Operatoru

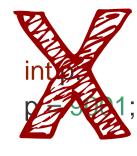
```
#include<stdio.h>
int main () {
               char a = 'T';
               char b;
                                                         9000
               char c = 'S';
                                                                       84
                                                         9001
                                                                                   a
               char d = 'T';
                                                                       69
                                                                                   b
                                                         9002
       b = 'E';
                                                                       83
                                                         9003
                                                                                   C
        printf("a = %d\n",a);
                                                                       84
               printf("c = %d\n",c);
                                                         9004
                                                                                   d
               printf("d = %d\n",d);
                                                          9005
        printf("a'nın adresi = %d\n',&a);
                                                         9006
               printf("b'nin adresi = %d\n",&b);
               printf("c'nin adresi = %d\n",&c);
               printf("d'nin adresi = %d\n",&d);
        return 0;
```

Adres Operatoru

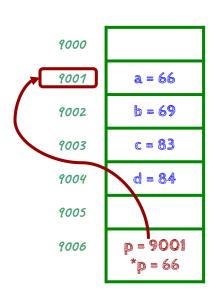
```
#include<stdio.h>
int main () {
              char a = T'
              char b:
              char c = 'S';
              char d = 'T';
                                                         %d yerine %p
       b = 'E';
       printf("a = %d\n",a);
              printf("c = %d\n",c);
              printf("d = %d\n",d);
       printf("a'nın adresi = %d\n",&a);
              printf("b'nin adresi = %d\\n",&b);
              printf("c'nin adresi = %d\n",&c);
              printf("d'nin adresi = %d\n",&d);
       return 0;
```

isaretci pointer





Adres Saklama



```
char * p;
p = &a;
printf("%d\n", *p);
*p = 66; // 'B'
printf("%d\n", a);
```

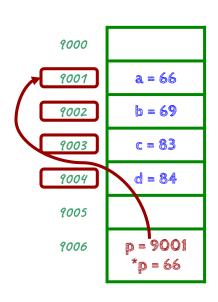
Pointer Kullanın Alanları

- fonksiyona parametre olarak gelen degiskenin degerini degistirmek
- * karakter dizileri
- dinamik (degisken boyutlu) diziler
- ❖ baglı liste, agaç vb. veriyapıları
- bellegin istenilen yerine erisim (sistem programlama)





```
#include <stdio.h>
char a = 'T';
char b = 'E';
char c = 'S';
char d = 'T';
int main() {
        printf("a nin adresi: %d \n", &a);
                printf("b nin adresi: %d \n", &b);
                printf("c nin adresi: %d \n", &c);
                printf("d nin adresi: %d \n", &d);
                printf("a nin degeri: %d\n", a);
        char *p;
                p = &a;
                printf("p nin degeri : %d\n", p);
                printf("*p nin degeri: %d\n\n", *p);
        *p = 'B'; // ascii kodu 66
        printf("a nin degeri: %d\n", a);
                printf("*p nin degeri: %d\n", *p);
                return 0;
```





a = 32

p = 9001

p = 32

```
#include <stdio.h>
int main() {
                                                                                     9000
               int a = 5;
               printf("a'nin degeri: %d\n\n", a);
                                                                                    9001
               printf("a'nin adresi: %p\n", &a);
               printf("10'luk tabanda: %u\n\n", &a);
                                                                                     9002
                                                                                    9003
       int * p;
               p = &a;
                                                                                     9004
               printf("p:%p\n", p);
               printf("*p : %d\n\n", *p);
                                                                                     9005
                                                                                    9006
        p = 32;
               printf("a'nin degeri: %d\n", a);
        return 0;
```



```
#include <stdio.h>
void atama_yap_1(int x) {
              x = 20;
void atama_yap_2(int *x) {
               x = 30;
int main() {
              int a = 5;
               printf("a: %d\n", a);
               atama_yap_1(a);
               printf("a: %d\n", a);
               atama_yap_2(&a);
               printf("a: %d\n", a);
               return 0;
```

