

TOBB ETU BİL 141 Bilgisayar Programlamaya Giriş I LAB10

Soru 1

```
#include <stdlib.h>
#include <stdio.h>
#include <string.h>
#include <stdbool.h>

/**
 * Auto-generated code below aims at helping you parse
 * the standard input according to the problem statement.
 **/

int main()
{

    // Write an answer using printf(). DON'T FORGET THE TRAILING \n
    // To debug: fprintf(stderr, "Debug messages...\n");

    int n;
    scanf("%d",&n);
    int *array[n];

    for(int i =0; i<n; i++){
        int *ptr;
        array[i] = (int*) malloc(sizeof(int));
        scanf("%d", array[i]);
    }

    int sum = 0;
    for(int i =0; i<n; i++){
        sum += *array[i];
    }

    printf("%d", (sum / n));

    return 0;
}
```

Soru 2

```
Çözüm#include <stdlib.h>
#include <stdio.h>
#include <string.h>
#include <stdbool.h>

/**
 * Auto-generated code below aims at helping you parse
 * the standard input according to the problem statement.
 **/

struct Insan{
    char isim[20];
    int yas;
};

int main()
{

    // Write an answer using printf(). DON'T FORGET THE TRAILING \n
    // To debug: fprintf(stderr, "Debug messages...\n");
    struct Insan insanlar[3];

    for(int i = 0; i<3; i++){
        scanf("%s", insanlar[i].isim);
        scanf("%d", &(insanlar[i].yas));
    }

    int maxyas = 0;
    for(int i = 0; i<3; i++){
        int curryas = insanlar[i].yas;
        if(curryas > maxyas){
            maxyas = curryas;
        }
    }

    printf("%d", maxyas);

    return 0;
}
```

Soru 3

```
#include <stdlib.h>
#include <stdio.h>
#include <string.h>
#include <stdbool.h>

/**
 * Auto-generated code below aims at helping you parse
 * the standard input according to the problem statement.
 **/

struct Insan{
    char isim[20];
    int yas;
};

int main()
{

    // Write an answer using printf(). DON'T FORGET THE TRAILING \n
    // To debug: fprintf(stderr, "Debug messages...\n");

    int n;
    scanf("%d", &n);

    struct Insan *ptr = (struct Insan*) malloc(n * sizeof(struct Insan));

    if(ptr == NULL){
        printf("hata");
        return 1;
    }

    for(int i = 0; i<n; i++){
        scanf("%s", (ptr+i)->isim);
        scanf("%d", &((ptr+i)->yas));
    }

    int maxyas = 0;
    int index = 0;
    for(int i = 0; i<n; i++){
        int curryas = (ptr+i)->yas;
        if(curryas > maxyas){
            maxyas = curryas;
            index = i;
        }
    }

    printf("%s", (ptr+index)->isim);

    return 0;
}
```