1

```c
#include <stdio.h>
#include <stdlib.h>

int main() {
    int n, i, j, k = 1;
    scanf("%d", &n);
    int **v;
    v = (int**)malloc(sizeof(int*)*n);
    for (i = 1; i <= n; i++) {
        v[i-1] = (int*)malloc(sizeof(int)*i);
        for (j = 1; j <= i; j++) {
            v[i-1][j-1] = k;
            printf("%d ", v[i-1][j-1]);
            k++;
        }
        printf("\n");
    }
    return 0;
}
```

2

```c
#include <stdio.h>
#include <stdlib.h>

void rotunjire(int array_size, int *array) {
    int i, c;
    for (i = 0; i < array_size; i++) {
        c = array[i] / 5;
        if (array[i] % 5) {
            c++;
            if ((c * 5 - array[i]) < 3 && c*5 >= 40)
                array[i] = c * 5;
        }
    }
}

int main() {
    int n, i;
    scanf("%d", &n);
    int *v = (int*)malloc(sizeof(int)*n);
    for (i = 0; i < n; i++) {
        scanf("%d", &v[i]);
    }
    rotunjire(n, v);
    for (i = 0; i < n; i++) {
        printf("%d\n", v[i]);
    }
```

Alexandru Chirea
ac.chirea@gmail.com

```
    return 0;
}
```

3
```c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

int main(){
    int hour, min, sec;
    char m[3];
    scanf("%d:%d:%d%s", &hour, &min, &sec, m);
    if ((strcmp(m, "PM") == 0 && hour != 12) || (strcmp(m,
"AM") == 0 && hour == 12))
        hour += 12;
    hour %= 24;
    printf("%02d:%02d:%02d", hour, min, sec);
    return 0;
}
```