

COEN 11 - Practice I

Solutions on Wednesday

1. What is wrong?

```
int i;
int arr[100];
for (i = 0; i < 100; i--)
    arr[i] = i;
```

2. What is printed?

```
int main ( )
{
    printf ("%d\n", a(5));
    return 0;
}

int a (int x)
{
    int y;

    y = b (x) + b (++x) + b (x++);
    return (y + x);
}

int b (int z)
{
    return (z * 10);
}
```

3. Write a function to return the number of even values in an array of size n . The prototype of the function is: `int count_even (int array[], int n);`
4. Write a function to initialize an array of size n in descending order, such that `array[0] = n - 1`, `array[1] = n - 2`, ..., `array[n - 1] = 0`. The prototype of the function is: `void init_descending (int array[], int n);`
5. Write a function to reverse the order of the elements in an integer array of size n , so that the last element becomes the first, the-second-to-last becomes the second, and so on. The prototype of the function is: `void reverse (int array[], int n);`