Assignment 2 | 6th February 2021

For any doubts regarding the assignment, ask questions in the Data Structures and Algorithms Group in the Community.

Assignment Submit Form: https://forms.gle/hpAasyZHuHLQNLAk9

Submit assignments in Appropriate Dropdowns.

Question 1

What is the time, space complexity of following code:

```
int a = 0, b = 0;
for (i = 0; i < N; i++) {
a = a + 1;
}
for (j = 0; j < M; j++) {
b = b + j;
}
```

Question 2

What does it mean when we say that an algorithm X is asymptotically more efficient than Y?

a)X will be a better choice for all inputs
b)X will be a better choice for all inputs except possibly small inputs
c)X will be a better choice for all inputs except possibly large inputs
d)Y will be a better choice for small inputs

Question 3

Write a Python program to print even numbers in a list.
Sample:

       Input: list1 = [12, 3, 55, 6, 144]

       Output: [12, 6, 144]

       Input: list2 = [2, 10, 9, 37]

       Output: [2, 10]

FAQs

Q. How do I submit the Assignments?

    A. You need to submit the answers in Document Format

Q. Where do I get class links for the next session?

    A. All sessions will be Live on our Youtube Channel. Subscribe to LetsUpgrade YouTube Channel. You'll also get an email with the link to the live session.

    B. It will be also updated in the Community Group in the pinned post.

Q. I have some doubt, who do I ask?

    A. Post your Queries on the community, someone will help you out.

Q. How can we know if my assignment is verified or not? And is it successfully submitted or not?

    A. You will receive a mail for your successful submission.