Lecture : 3 | Space Complexity + Arrays | CC assignment

Question 1 :

Write a Program to swap values , without using 3rd variable .
Also find Time and Space Complexity --- Marks : - 5

Example : -
Input : -
A = 20 , B = 10
O**utput** : - A = 10 , B = 20
Explanation : - values has been swapped

Sample :

```
Def swap(A,B):
  #write code here
```

Question : 2 -
Given a number , find if the number is a perfect square root or not ? --- Marks :-5
Also , find Time and space Complexity

example :
Input : n = 4
output : - True

Input : n = 10
output : - False

Explanation : since square root (4) =2 (perfect square) --true
Square root(10) = 3.35 (Not perfect square) -- false

Sample :

```
Def find_perfect_square(N):
    # write code here
```

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Questions : 3 --
Print prime numbers between 1 to N : ---marks: 5
using for loop :
Also , find the Time and Space complexity

Example : -
Input : - N = 10
output : - [2 , 3 , 5 , 7]
Explanation : - 2 , 3 , 5 , 7 are primes number between 1 to 10

Sample :-

```
Def Prime_number(N):
  #write code here
```