

## Lab assignment 2

1. Raghav has been given the challenge to write a python program to add 5 and 7. How can he do so?
2. Vigyan was asked to print the following using the print function. Help him in writing a python program for the same. (The Golden Ratio has the same letters as The God Relation.)
3. A friend told Dev that he can use the Python prompt to do some basic arithmetic operations without using the input and output functions. Explain how he will perform the operation  $50 + 40 - 35$  in python.
4. The `id()` can be used to get the memory address of a variable.

Create a variable named `num1` initialized with the value 13.

Create another variable named `num2` and assign to it the value of `num1`.

Print whether the memory addresses (IDs) of `num1` and `num2` are the same.

Create two more variables named `num3` and `num4`. Initialize `num3` with the value 13 again, and `num4` with the value 12.

Create another two variables `num5` and `num6` and assign the string value "Code" to both variables using chained assignment.

Print whether the memory addresses (IDs) of `num3` and `num4` are the same.

Print whether the memory addresses (IDs) of `num5` and `num6` are the same.

5. Kushal is new to python programming, and he was experimenting with the python multiple assignment features. He wrote a program that would take in and assign 3 variables to 3 values in only 1 line of code. But while printing the values, he made an error. Can you find and fix the error?

Code:

```
a,b,c = 2,8,9
print (a,b,c)
c,b,a = a,b,c
print (a,b,c)
```

6. Correct the following code to remove syntax errors.

Code:

```
a,b,c = 10,20,30
p,q,r = c-5,a+3,b-4
print ('a,b,c:', a,b,c, end =")
print('p,q,r:',p,q,r)
```

7. Kshitij runs a car dealership and he wanted to display the cost of 4 cars which he had sold in the past week, so he wrote the code given in the editor.

But it was showing "x y a b" instead of the values stored in those variables.

Your task is to identify the problem with this code and fix it to print the prices of the cars (each in a new line)

8. Fix one indentation error in the below code.

code:

```
age = 21
```

```
Print ("You can vote")
```