

Assignment-1

1. Write a Python program to find average of three numbers entered by the user.
2. Write a python program to compute a person's income tax. Assume following tax laws:
 - All taxpayers are charged a flat tax rate of 20%.
 - All taxpayers are allowed a \$10,000 standard deduction.
 - For each dependent, a taxpayer is allowed an additional \$3,000 deduction.
 - Gross income must be entered to the nearest penny.

Gross Income and the number of dependents must be asked from the user.

Hint:

Taxable income = Gross Income - Standard deduction - (Dependent deduction * No. of dependents)

Tax = Taxable Income * Tax Rate

3. Write a python program to store different data type values into a list. (For an example: Student [SID, Name, Gender, Course Name, CGPA]).
Note: Use Gender values: 'F', 'M', 'U' (For Unknown).
CGPA should have floating type values (example: 7.5).
4. Write a python program to enter marks of 5 students into a list and display them in sorted manner.
5. List: color ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']
 - a. Write a Python program to print a specified list after removing 4th element.
Expected output: color ['Red', 'Green', 'White', 'Pink', 'Yellow']
 - b. Remove 'Black' and 'Pink' from the list and replace them with 'Purple'.
Do that in one line code.