

**OOPs and Inheritance**

1. Write a python script to create a Profile class with 3 attributes (name, email, age).
2. Write a python script to update the above Profile class with encapsulation.
3. Write a python script to update 2nd Question, change email and age to \_\_email and \_\_age.
4. Write a python script to update 2nd Question, add a class variable (platform) and create a classmethod to access it.
5. Write a python script to create a Calculator class with 2 methods for adding and subtracting 2 values.
6. Write a python script to create a Calculator 2.0 class with 2 methods for multiplication and division of 2 values and inherit it from the Calculator class.
7. Write a python script to create a Phone class with 2 methods to print the features (calling and sms).
8. Write a python script to create a SmartPhone class by inheriting Calculator 2.0 and Phone Class.
9. Write a python script to create an application like Truecaller where names and numbers are stored. Truecaller class will have 2 methods (1st to fetch the name of a number and 2nd to add a new entry).
10. Write a python script to add the new method in SmartPhone class which accepts Truecaller object as a parameter and call the fetch method of Truecaller.