

Software Development Workshop – IIT KGP

Assignment – 2

- Write a Python program to find the three elements that sum to zero from a set (array) of n real numbers. (Use class and methods)

Sample Input: [-25, -10, -7, -3, 2, 4, 8, 10]

Sample Output: [[-10, 2, 8], [-7, -3, 10]]

- Use Inheritance and create parent Shape and child classes Triangle, Square, Circle and use inheritance according to your convenience.
- self.__class__ what It is ? And how does it work?
- When should static method be used over instance and class method?
- Explain Hybrid Inheritance with an example of your own?
- Create classes CoEP and VIT with methods with same name (isBoatClub, Ranking, Address). Create objects of these classes and show polymorphism among methods by calling the methods.

Instructions for submission

- Create a word file of your solution with your Name_AssignmentNumber as the name of the file and mail it to apurvupadeo328@gmail.com on or before 11:59 pm pertaining to the last date of submission.
- Any queries can be mailed on the above Email address or posted on the Whatsapp Number – 9657398434
- Any kind of plagiarism shall not be entertained and may lead to your disqualification from the course.