

# Dev Nation

## Data Science Lab-06

**Q1.** Create a class **MyType** with the following Magic Function

1. Constructor
  - a. Initialize an Object with following parameters
    - i. a
    - ii. b
2. new:
  - a. Create an object of MyType. Make sure if the value of `a` >500 then don't create an object
3. add:
  - a. Let suppose you create two myType objects
    - i. T1 = myType(1,2)
    - ii. T2 = myType(2,3)
    - iii. When you run this add function it should add the corresponding elements of each object i.e t1 first element 1 should be added to t2 first element 2 and so on
    - iv. Final Result this function should return (3,5)
    - v. **Note Final Result is just a sample output**
4. sub
  - a. Same process as add function just replace addition with subtraction
  - b. Final result should be (-1,-1)
  - c. **Note Final Result is just a sample output**
5. gt
  - a. This is the greater function ">"
  - b. Should Return True or False
  - c. If Both elements of first elements are greater then second element, then return True else False
6. lt
  - a. This is the less function "<"
  - b. Should Return True or False
  - c. If Both elements of first elements are less then second element, then return True else False