

# Assignment-1

## Assignment Questions



**Q1. Create one variable containing following type of data:**

- (i) string
- (ii) list
- (iii) float
- (iv) tuple

**Q2. Given are some following variables containing data:**

- (i) `var1 = ''`
- (ii) `var2 = ['DS', 'ML', 'Python']`
- (iii) `var3 = ['DS', 'ML', 'Python']`
- (iv) `var4 = 1.`

**What will be the data type of the above given variable.**

**Q3. Explain the use of the following operators using an example:**

- (i) `/`
- (ii) `%`
- (iii) `//`
- (iv) `**`

**Q4. Create a list of length 10 of your choice containing multiple types of data. Using for loop print the element and its data type.**

**Q5. Using a while loop, verify if the number A is purely divisible by number B and if so then how many times it can be divisible.**

**Q6. Create a list containing 25 int type data. Using for loop and if-else condition print if the element is divisible by 3 or not.**

**Q7. What do you understand about mutable and immutable data types? Give examples for both showing this property.**

**Note:** Create your assignment in Jupyter notebook and upload it to GitHub & share that github repository link through your dashboard. Make sure the repository is public.