**Note:**

**1) Make a copy of provided colab link**

**2) Write your code & execute with output cell in the colab or notebook**

**3) Share the final submission through  colab link or ipynb file**

**COLAB LINK:**<https://drive.google.com/file/d/11E88B9bU_i34LRPXzPP7rPlXurmQlpn3/view?usp=drive_link>

**1. Write a python program to convert each pair of  elements in tuple to a dictionary**

**Constraints:**

**a. Create a tuple containing sub tuples**

**b. Display the tuple**

**c. Using list comprehension technique, convert tuple to a dictionary**

**d. Print the converted dictionary**

**Concepts Applied: list & dictionary comprehension, tuples**

**Sample Input:**

**The original tuple : ((4, ‘Gfg’, 10), (3, ‘is’, 8), (6, ‘Best’, 10))**

**Sample Output:**

**The converted dictionary : [{‘key’: 4, ‘value’: ‘Gfg’, ‘id’: 10}, {‘key’: 3, ‘value’: ‘is’, ‘id’: 8}, {‘key’: 6, ‘value’: ‘Best’, ‘id’: 10}]**

**2. Write a python program to print all the combinations of the numbers in the list.**

**Constraints:**

**a. Create a list containing numbers**

**b. Print the list**

**c. Apply the concept of list comprehension to print all the combinations of the numbers in the list**

**d. Print the result**

**Concepts Applied: list comprehension, enumerate function**

**Sample Input:  [1, 2, 3, 4]**

**Sample Output: [(1, 2), (1, 3), (1, 4), (2, 3), (2, 4), (3, 4)]**

**3.  Write a python program to convert set to a dictionary.**

**Constraints:**

**a. Create a set containing numbers and display it and also its type**

**b. Use the concept of dictionary comprehension to convert set to a dictionary**

**c. Print the dictionary and its type**

**Concepts: sets, dictionaries, loops**

**Sample Input:  {1, 2, 3, 4, 5}**

**Sample Output:**

**Set {1, 2, 3, 4, 5}**

**Dictionary {1: 'Number', 2: 'Number', 3: 'Number', 4: 'Number', 5: 'Number'}**