DATA ANALYTICS WITH PYTHON

TASK-1

Description: This task involves understanding the basic data types in Python such as lists, dictionaries, and sets.

Responsibility: Write a Python program to create a list, a dictionary, and a set. Perform basic operations like adding, removing, and modifying elements.

```
*basic task like adding removing and modifying list
# Create a list
my_list = [1, 2, 3, 4, 5]
# Add an element to the end of the list
my_list.apperod(6)
# Herove the last element from the list
my_list.pop()
# Modify the first element of the list
my_list[#] - #
# Print the modified list
print(my_list)
T- (0, 2, 1, 4, 5)
# basic task like adding removing and modifying dictionary
# Create a dictionary
my_dict = {'name': "John", 'age": 50, "city": "New York"}
# Add a new key-value pair to the dictionary
my_dict["profession"] - "Software Engineer"
* Herove a key-value pair from the dictionary
del sy_dict['age']
* Modify the value of an existing key
my_dict["city"] + "London"
. Print the modified dictionary
print(my_dict)
To ('nome': 'John', 'city': 'London', 'profession': 'Software Engineer')
# basic task like adding recoving and modifying set
# basic task like adding removing and modifying set
& Create a set
my_set . (1, 2, 5, 4, 5)
# Add an element to the set
my_set.add(6)
# Resove an element from the set
my_set.remove(3)
# Modify an element in the set (not possible directly)
# To modify an element, we need to remove it and add a new one
my_set.resove(1)
my_set.add(e)
# Print the modified set
print(my_set)
```