

# Data Analysis with Python

## Task- I

Python Program to create a list, a dictionary, and a set.  
Perform basic operations like adding, removing and modifying elements.

# Creating a list

```
my_list = [1, 2, 3, 4, 5]
```

my\_list.append(6) # adds 6 to end of the list.

# Removing elements

```
my_list.remove(3) # removes first occurrence of 3
```

# Modifying elements

```
my_list[0] = 10 # changes the first element to 10.
```

# Creating a dictionary.

```
my_dict = {"name": "Alice", "age": 25, "city": "New York"}
```

# Adding elements

```
my_dict["email"] = "alice@example.com"
```

# Removing elements

```
del my_dict["age"]
```

# Modifying elements:

```
my_dict["city"] = "San Francisco"
```

# Create a set

my-set = {1, 2, 3, 4, 5}

# Adding elements

my-set.add(6)

# Removing elements

my-set.remove(3)