# **High Impact Skills Development Program** **AI & Data Science**

**Tasks of Data Structure in Python**

**Lists**

1. Create a list of 5 names and print it.

2. Add a new name to the list and print the updated list.

3. Remove the first name from the list and print the updated list.

4. Sort the list in alphabetical order and print it.

5. Find the index of a specific name in the list.

**Dictionaries**

1. Create a dictionary with 3 key-value pairs and print it.

2. Add a new key-value pair to the dictionary and print the updated dictionary.

3. Remove a key-value pair from the dictionary and print the updated dictionary.

4. Access the value of a specific key in the dictionary.

5. Check if a key exists in the dictionary.

**Tuples**

1. Create a tuple of 3 numbers and print it.

2. Access the first element of the tuple.

3. Create a tuple from a list.

4. Check if an element exists in the tuple.

5. Use a tuple as a key in a dictionary.

**Sets**

1. Create a set of 5 numbers and print it.

2. Add a new number to the set and print the updated set.

3. Remove a number from the set and print the updated set.

4. Find the intersection of two sets.

5. Check if an element exists in the set.

**General**

1. Print "Hello, World!" to the console.

2. Ask the user for their name and print it.

3. Calculate the sum of two numbers.

4. Use a for loop to print numbers from 1 to 10.

5. Use an if statement to check if a number is even or odd.