

Intro To AIML Assignments

Assignment 1: Python Data Structures

Task:

Write a Python program that does the following:

1. Create a list containing the numbers 1 to 5 and print it.
 2. Convert the list into a tuple and print it.
 3. Create a set from the tuple and print it.
 4. Create a dictionary with keys as the numbers 1 to 5 and values as their squares, and print it.
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Assignment 2: If-Else and Loops

Task:

Write a Python program that:

1. Asks the user to enter a number.
 2. Checks if the number is even or odd using an `if-else` statement.
 3. If the number is even, print all even numbers from 1 to that number using a loop.
 4. If the number is odd, print all odd numbers from 1 to that number using a loop.
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Assignment 3: Functions

Task:

Write a Python program with the following:

1. A function named `calculate_sum` that takes a list of numbers as input and returns their sum.
2. A function named `find_max` that takes a list of numbers as input and returns the largest number.
3. A function named `find_min` that takes a list of numbers as input and returns the smallest number.