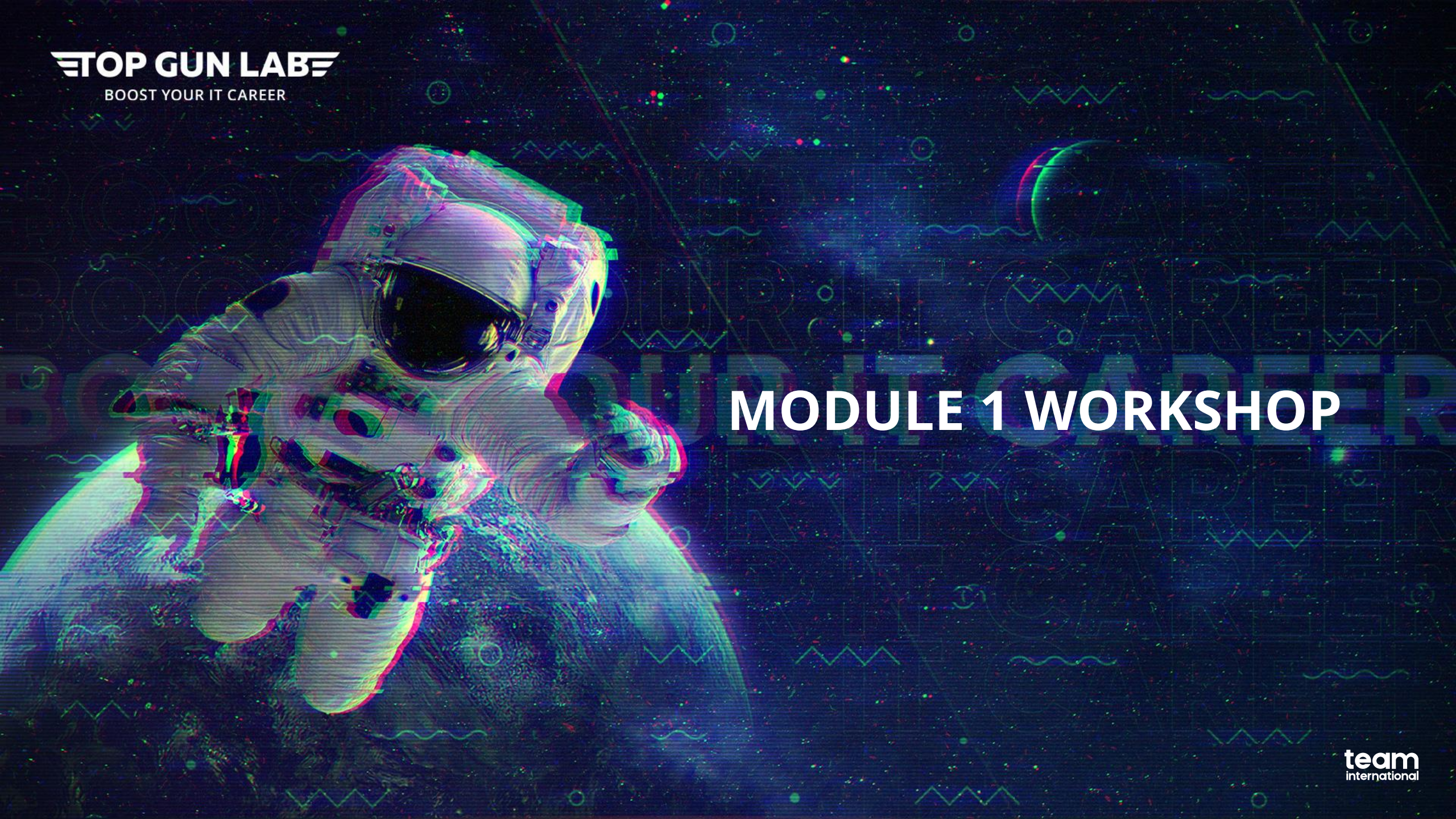

TOP GUN LAB
BOOST YOUR IT CAREER
team international

TOP GUN LAB

BOOST YOUR IT CAREER



MODULE 1 WORKSHOP

team international

TOP GUN LAB
BOOST YOUR IT CAREER

Exercises
Getting Started with Python

- Exercise 1

Write a Python program that takes two numbers as input from the user and prints their sum.

- Exercise 2

Create a Python program that converts a temperature from Fahrenheit to Celsius. The user should enter the temperature in Fahrenheit, and the program should print the equivalent temperature in Celsius.

team international

TOP GUN LAB
BOOST YOUR IT CAREER

Control Structures and Loops

- Exercise 1

Write a Python program that prints the first 10 Fibonacci numbers using a loop.

- Exercise 2

Create a Python program that checks if a given number is prime or not. The user should input a number, and the program should print whether it is prime or not.

team international

TOP GUN LAB
BOOST YOUR IT CAREER

Functions and Data Types

- Exercise 1

Write a Python function called find_maximum that takes a list of numbers as input and returns the maximum number from the list.

- Exercise 2

Create a Python function called reverse_string that takes a string as input and returns the reversed string.

team international

TOP GUN LAB
BOOST YOUR IT CAREER

Advanced Python Concepts

- Exercise 1

Write a Python class called BankAccount with methods for depositing, withdrawing, and checking the account balance.

- Exercise 2

Create a Python program that reads a text file and counts the occurrences of each word using a dictionary. The program should print the words and their counts.

team international

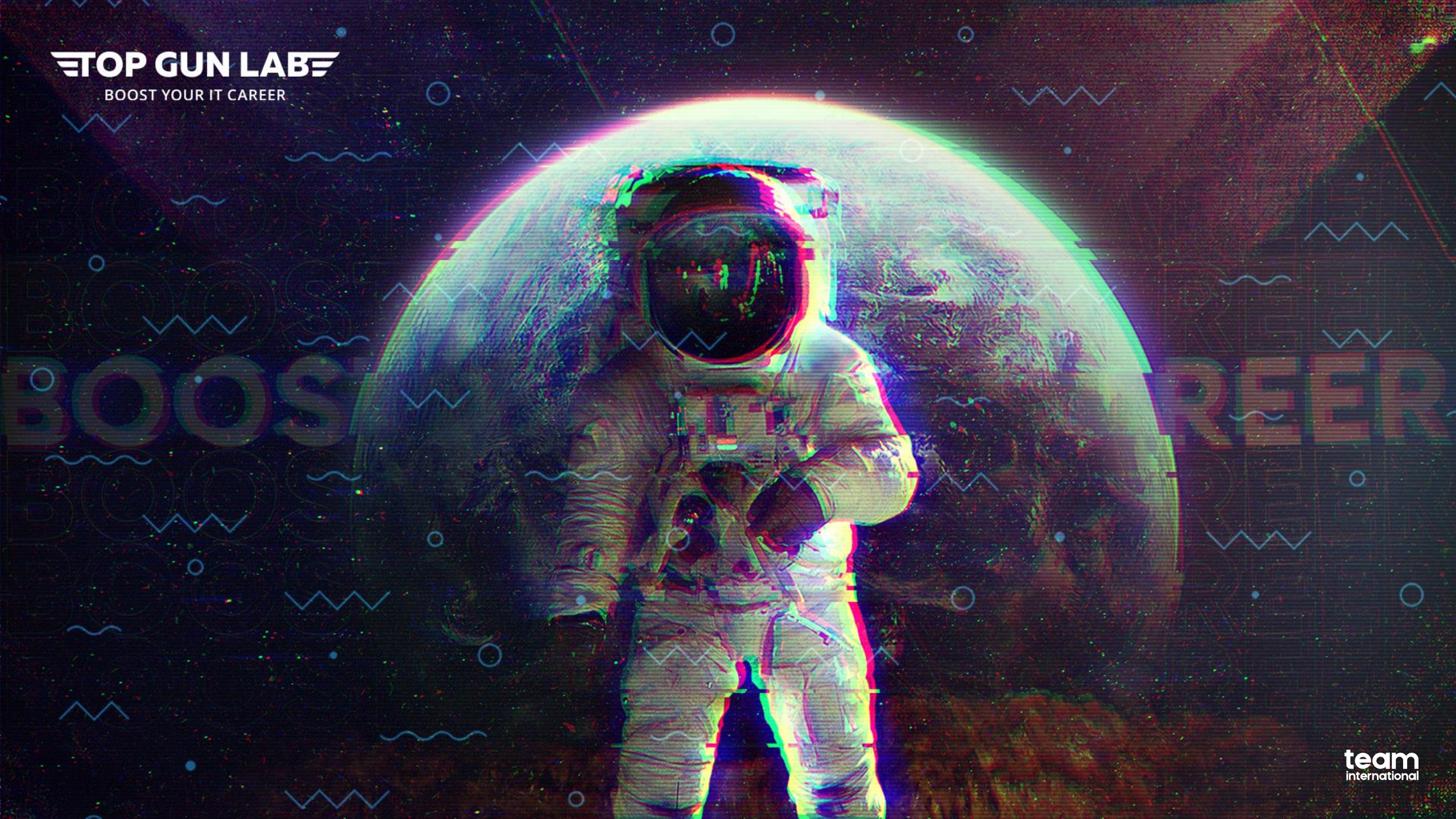
Python Programming Best Practices

- Exercise 1

Write a Python function called is_palindrome that checks if a given word is a palindrome. The function should have proper error handling and be tested with unittest.

- Exercise 2

Create a Python decorator called timer that measures the time taken to execute a function. Use this decorator on a function that sorts a list of random numbers and prints the sorted list.


TOP GUN LAB
BOOST YOUR IT CAREER
BOOST
REER
team international