

SMART INTERNZ - APSCHE

AI / ML Training

Assessment

1. Write a Python program to calculate the area of a rectangle given its length and width.
2. Write a program to convert miles to kilometers
3. Write a function to check if a given string is a palindrome.
4. Write a Python program to find the second largest element in a list.
5. Explain what indentation means in Python.
6. Write a program to perform set difference operation.
7. Write a Python program to print numbers from 1 to 10 using a while loop.
8. Write a program to calculate the factorial of a number using a while loop.
9. Write a Python program to check if a number is positive, negative, or zero using if-elif-else statements.
10. Write a program to determine the largest among three numbers using conditional statements.
11. Write a Python program to create a numpy array filled with ones of given shape.
12. Write a program to create a 2D numpy array initialized with random integers.
13. Write a Python program to generate an array of evenly spaced numbers over a specified range using linspace.
14. Write a program to generate an array of 10 equally spaced values between 1 and 100 using linspace.
15. Write a Python program to create an array containing even numbers from 2 to 20 using arange.
16. Write a program to create an array containing numbers from 1 to 10 with a step size of 0.5 using arange.