

BDM 1034 - Application Design for Big Data Week9

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Submitted to: Prof. Teresa Zhu

Here I have attached the certificate I achieved from LinkedIn learning for Course “*NumPy Essential Training: 1 Foundations of NumPy*” along with the Screenshot of score I achieved

Chapter 1: Overview

Contents

Introduction

1. NumPy Overview and Introduction to Jupyter Notebook

✓ Why should you use NumPy?
2m 8s

✓ Python lists vs. NumPy arrays
3m 19s

✓ Jupyter Notebook basics
3m 29s

✓ Chapter Quiz
5 questions

2. NumPy Array Types and Creating NumPy Arrays

○ Array types and conversions between types
4m 25s


○ Multidimensional arrays
3m 7s

○ Creating arrays from lists and other Python structures
3m 36s

○ Intrinsic NumPy array creation

NumPy Essential Training: 1 Foundations of NumPy
Chapter Quiz

109 1,578 + ↗



You answered 5 of 5 questions correctly.
You successfully completed all questions in this quiz.

Review all answers

Continue watching

Chapter 2

Numpy Array Types and Creating Numpy Array

The screenshot shows a web browser window displaying the LinkedIn Learning interface. The browser's address bar shows the URL: [linkedin.com/learning/numpy-essential-training-1-foundations-of-numpy/quiz/urn:li:learningApiAssess...](https://www.linkedin.com/learning/numpy-essential-training-1-foundations-of-numpy/quiz/urn:li:learningApiAssess...). The LinkedIn Learning logo is visible in the top left corner. The main content area displays the title "NumPy Essential Training: 1 Foundations of NumPy Chapter Quiz" and a success message: "You answered 16 of 17 questions correctly. Keep practicing! Review your answers and retake the quiz." Below the message are two buttons: "Review all answers" and "Continue watching". On the left side, there is a "Contents" sidebar with a list of topics, including "Creating arrays from lists and other Python structures", "Intrinsic NumPy array creation", "Creating arrays filled with constant values", "Finding the shape and size of an array", and "Chapter Quiz". The bottom of the screen shows a Windows taskbar with various icons and a system clock indicating 1:13 PM.

Chapter 3:

Manipulate Numpy Arrays

The screenshot shows a web browser window displaying the LinkedIn Learning interface. The browser's address bar shows the URL: [linkedin.com/learning/numpy-essential-training-1-foundations-of-numpy/quiz/urn:li:learningApiAssess...](https://www.linkedin.com/learning/numpy-essential-training-1-foundations-of-numpy/quiz/urn:li:learningApiAssess...). The LinkedIn Learning logo is visible in the top left corner. The main content area displays the title "NumPy Essential Training: 1 Foundations of NumPy Chapter Quiz" and a success message: "You answered 10 of 10 questions correctly. You successfully completed all questions in this quiz." Below the message are two buttons: "Review all answers" and "Continue watching". On the left side, there is a "Contents" sidebar with a list of topics, including "Chapter Quiz", "4. Functions and Operations", "Arithmetic operations and functions", "Broadcasting", "Aggregate functions", "How to get unique items and counts", "Transpose like operations", and "Reversing an array". The bottom of the screen shows a Windows taskbar with various icons and a system clock indicating 1:25 PM.

Chapter 4: Functions and Operations

The screenshot shows a web browser window displaying a LinkedIn Learning quiz completion page. The browser's address bar shows the URL: `linkedin.com/learning/numpy-essential-training-1-foundations-of-numpy/quiz/urn:li:learningApiAssessment42...`. The LinkedIn Learning header is visible, including the logo, a search bar, and navigation links like Home, My Learning, Notifications, Me, and EN. A sidebar on the left lists the course contents, with '4. Functions and Operations' expanded to show a list of topics: Arithmetic operations and functions (4m 1s), Broadcasting (4m 21s), Aggregate functions (4m 3s), How to get unique items and counts (3m 20s), Transpose like operations (3m 49s), and Reversing an array. The main content area features an illustration of a person sitting at a desk with a computer and books. Below the illustration, a message states: 'You answered 5 of 5 questions correctly. You successfully completed all questions in this quiz.' Two buttons are present: 'Review all answers' and 'Continue watching'. The bottom of the screen shows a Windows taskbar with various icons, a system tray displaying 56% battery, 10°C weather, and the time 4:48 PM. A vertical 'Lenovo' logo is visible on the right edge of the screen.

2022W-T2_BDM 1034_01: NumP... x Chapter Quiz: NumPy Essential... x Chapter Quiz: NumPy Essential... x

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Contents x NumPy Essential Training: 1 Foundations of NumPy Chapter Quiz ☆ Leave a review 111 1,591 +

NumPy Arrays

3. Manipulate NumPy Arrays >

4. Functions and Operations v

✓ Arithmetic operations and functions 4m 1s

✓ Broadcasting 4m 21s

✓ Aggregate functions 4m 3s

✓ How to get unique items and counts 3m 20s

✓ Transpose like operations 3m 49s

✓ Reversing an array

You answered 5 of 5 questions correctly.
You successfully completed all questions in this quiz.

Review all answers Continue watching

Lenovo

56% 10°C Mostly cl... 4:48 PM