

The screenshot shows the Activity Editor interface. At the top, there's a navigation bar with 'Introduction to Python' and '1. Python Basics: Getting Started with Py...'. Below it is a toolbar with 'File', 'Settings', 'Hotkeys', 'Support', and 'Validate all'. On the right, there are buttons for 'Preview Student Version', 'Publish', and 'Exit'. The main area has a sidebar on the left listing course sections: '1. Python Basics...', '2. Variables and ...', '3. Control Flow: M...', '4. Functions and ...', '5. File Handling: R...', '6. Object-Oriented ...', '7. Error Handling: ...', and '8. Python Library...'. The main content area contains an 'Introduction' panel with a text input field and a warning message: 'Hello Let's emphasize something'. Below it is a 'Question\*' panel with a text input field and a warning message: 'Provide a short answer to the question (limited to xyz characters.)'. At the bottom, there's a code editor with a Python function definition:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

Thank you. Have you one? Thanks for joining us here at AluminumDusk. We wanted to give you a brief intro for our activity editor. Your default content, as you may notice, is very text-based, but you can add more interactive elements quite easily with AI or manually. So here you have a list of elements that you can select with a forward slash trigger, such as info panels, tables, dividers, multiple quiz-autchant types. And you can also add interactive code cells. We support Lambda and Jupyter back in runtimes out of the box. So it's a handy feature for people that would like to add coding exercises to their activities. And we also do support grading or automated grading with code cells and or quiz blocks. You can always preview the student version up here. See what the student view would look like. You can toggle back and forth. You can also access the chat feature, which can be connected to your context or your documents. So if you exit out of here and you access the context manager, this is available in the ProPlan. You can add documents such as PDFs, doc files, cells, CSVs. So if we go back to our course, you can chat with the AI at all times. By opening up threads, and you can copy that content into the activity, paste it. These blocks are drag and drop. So you can change the order of them as you see fit. And once you're ready to publish, once it's automatically saved, and once you're ready to publish, you can publish and invite your students to join your course or integrate with your favorite elements using SCORM or LTI. Thanks. We look forward to hearing from you soon. And we're excited to ship new features to save hours of your day. Thank you.

A screenshot of a video conferencing interface. On the left, there is a circular video feed of a person. To the right of the video feed is a question card for a Python exercise. The card has a title "Introduction" and a sub-section "Hello Let's emphasize something". Below this is a "Question\*" input field containing the text "Is the sky blue?". There is also a "Provide a short answer to the question" section with a text input field and a note "Type an option here" and a "+ Add new option" button. A red warning box at the bottom says "⚠ Provide a short answer to the question (limited to xyz characters.)". At the bottom of the card, there is a code editor with the following Python code:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

The video player at the bottom shows a progress bar at 0:01.

A screenshot of a video conferencing interface, identical to the one above, showing a student's video feed on the left and a question card on the right. The question card displays the same "Introduction" section, "Hello Let's emphasize something" section, and the "Is the sky blue?" question. The code editor at the bottom shows the same Python code as the previous screenshot:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

The video player at the bottom shows a progress bar at 0:02.

This screenshot shows a user interface for a Python course. On the left, there's a sidebar with a navigation tree under '1. Python Basics...'. The main area has a title 'Introduction' and a text input field containing 'Hello Let's emphasize something'. Below it is a question card for 'Is the sky blue?' with a short answer input field and a note about character limits. At the bottom, there's a code editor with a Python function definition:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

A video player at the bottom shows a person speaking, with a timestamp of 0:02.

This screenshot is nearly identical to the one above, but the video player shows a timestamp of 0:04, indicating the video has progressed slightly.

This screenshot shows a user interface for a Python course. On the left, there is a circular video feed of a person. To the right of the video feed is a sidebar with a navigation tree under '1. Python Basics...'. The main content area has a title 'Introduction' and a text input field containing 'Hello Let's emphasize something'. Below this is a question card for 'Is the sky blue?' with a short answer input field, a note to 'Provide a short answer to the question', and a warning about character limits. At the bottom, there is a code editor with a Python function definition:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

This screenshot is identical to the one above, showing the same course content, video feed, sidebar navigation, and question section.

This screenshot shows a user interface for a Python basics course. On the left, there's a sidebar with a navigation tree under '1. Python Basics...'. A video feed of a person is visible in a circular frame. The main area has a toolbar at the top with various icons. Below the toolbar, there's a section titled 'Introduction' with a text input field. A message from a student named 'Hello Le' is displayed: 'Hello Le's emphasize something'. A question card is shown with the question 'Is the sky blue?' and a text input field for answers. A warning message says '⚠ Provide a short answer to the question (limited to xyz characters.)'. At the bottom, there's a code editor with a snippet of Python code:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

This screenshot is nearly identical to the one above, showing the same course interface. The video feed, sidebar, and overall layout remain the same. The code editor at the bottom shows the same Python snippet:

```
def print_my_name(my_name: str) -> str:  
    return f'Hello {my_name}'
```

This screenshot shows a user interface for a Python Basics course. On the left, there's a sidebar with a navigation tree for the course. A video feed of a man is visible in the bottom-left corner. The main area contains a question "Is the sky blue?" with a text input field and a warning about character limits. Below it is a code editor with a Python function definition:

```
def print_my_name(my_name: str) -> str:  
    return f"Hello {my_name}"
```

The code editor has a timestamp of 0:08 and a button labeled "e. student answer".

In this screenshot, the student's answer has been entered into the code editor:

```
def print_my_name(my_name: str) -> str:  
    return f"Hello {my_name}"  
  
1 Here will be student answer  
1 Enter test code  
1 print(print_my_name("Joe"), "Should display: Hello Joe")  
1 print(print_my_name("Maria"), "Should display: Hello Maria")  
1 print(print_my_name("David"), "Should display: Hello David")
```

A message at the bottom of the screen reads: "Hello everyone! Welcome to today's lesson on Python Basics: Getting Started with Python Programming. I'm thrilled to have you here as we dive into the exciting world of Python programming. Whether you're an intermediate learner looking to refine your skills or someone with a bit of foundational knowledge, this lesson is designed to help you programming to the next level."

This screenshot shows a Python basics lesson interface. On the left, there's a sidebar with a navigation tree. The main area has a text input field with a warning message: "Provide a short answer to the question (limited to xyz characters)." Below it is a code editor with a test case for a function named `print_my_name`. The code is as follows:

```
def print_my_name(my_name: str) -> str:
    return f'Hello {my_name}'
```

Below the code editor is a text box labeled "Here will be student answer". At the bottom, there's a "Re-generate with AI" button and a "Points" dropdown set to 10. A video feed of a man is visible at the bottom left, and a video control bar is at the bottom.

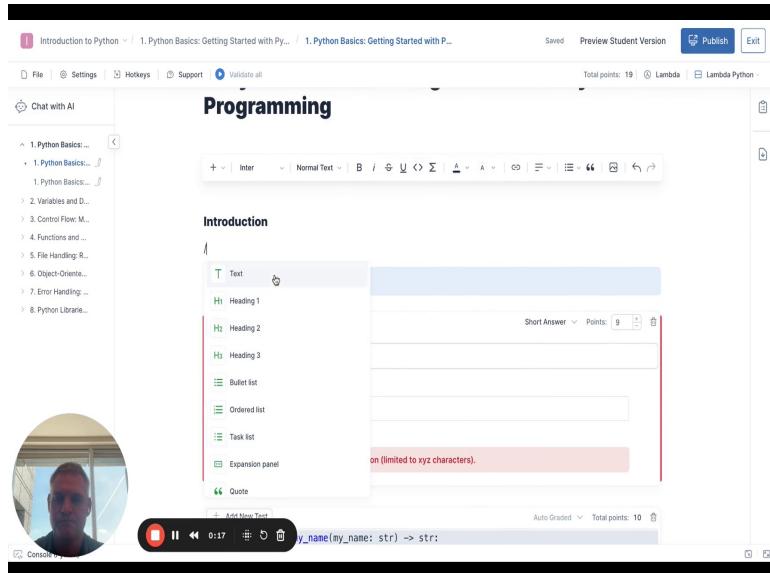
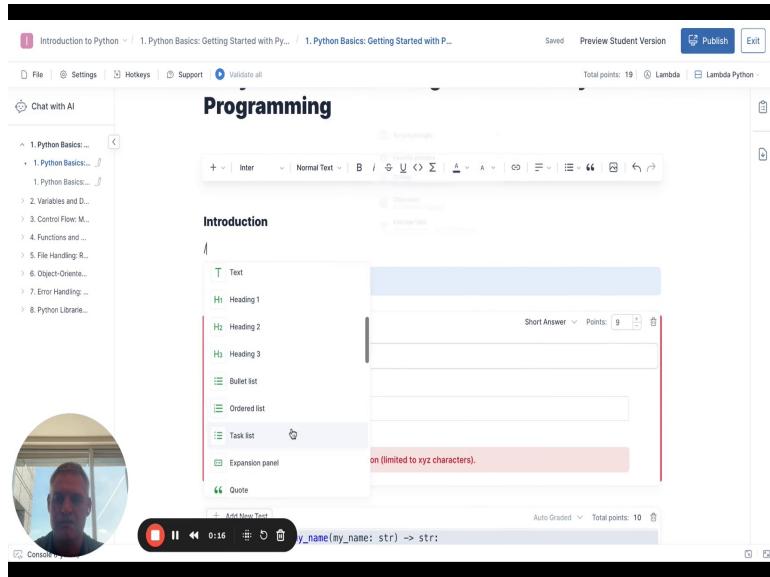
This screenshot shows a Python basics lesson interface. The main title is "1. Python Basics: Getting Started with Python Programming". Below it is a section titled "Introduction". A text input field contains the message: "Hello Let's emphasize something". To the right, there's a question block with the text "Is the sky blue?". A warning message "Provide a short answer to the question" is displayed below the question. A video feed of a man is visible at the bottom left, and a video control bar is at the bottom.

A screenshot of a digital workspace interface. At the top, there's a navigation bar with tabs like "Introduction to Python", "1. Python Basics: Getting Started with Py...", and "1. Python Basics: Getting Started with P...". On the right of the nav bar are buttons for "Preview Student Version", "Publish", and "Exit". Below the nav bar is a toolbar with icons for "File", "Settings", "Hotkeys", "Support", "Validate all", and "Total points: 19 | Lambda | Lambda Python". A sidebar on the left contains a "Chat with AI" section and a tree view of "1. Python Basics: ...". The main area has a title "Programming" and a section titled "Introduction". It includes a text input field with placeholder "Write text or type '!' for a list of elements you can add to the page, like a code or text blocks", a button to "Hello Let's emphasize something", and a "Question" form asking "Is the sky blue?". The question form has a "Short Answer" dropdown set to "9", a text input field, and a note "Provide a short answer to the question". Below the question form is a "Type an option here" input field with a "+ Add new option" button. A red warning box says "⚠ Provide a short answer to the question (limited to xyz characters)". At the bottom of the workspace is a toolbar with icons for "Add More Text", "0:13", and "y\_name(my\_name: str) -> str:".

A screenshot of the same digital workspace interface, showing the results of interacting with the AI content assistant. The "AI content assistant" sidebar now shows "Request AI to write" and "AI-Powered Writing Assistant". The "Code Example" section has a note "Provide a code snippet illustrating a concept." and a text input field. The "AI Image" section has a note "Start generate with a detailed description." and a text input field. The "AI Quiz" section has a note "Create draft version of different quizzes" and a text input field. The "More with AI" section has a note "More with AI" and a "Discussion" section with a note "Discussion for exchanging ideas". The rest of the interface remains the same as the first screenshot.

This screenshot shows a programming assignment interface. At the top, there's a navigation bar with tabs like "Introduction to Python", "1. Python Basics: Getting Started with Py...", and "1. Python Basics: Getting Started with P...". Below the navigation is a toolbar with icons for file operations, settings, and support. The main area has a title "Programming" and a sidebar with a "Chat with AI" section containing a list of topics from "1. Python Basics" to "8. Python Libraries". A central text editor window is open, showing a heading "Introduction" and a rich text toolbar. To the right of the text editor is a sidebar titled "AI content assistant" with options like "Request AI to write", "Code Example", "AI Image", "AI Quiz", "More with AI", "Collaboration", and "Discussion". A red box highlights the "Request AI to write" button. The bottom of the screen shows a video feed of a person's face, a timer at 0:14, and a code input field with the placeholder "my\_name(my\_name: str) -> str:".

This screenshot is identical to the one above, showing the same programming assignment interface with the "Request AI to write" feature highlighted by a red box. The layout includes the navigation bar, toolbar, sidebar with topics, text editor, AI assistant sidebar, and the video feed at the bottom.



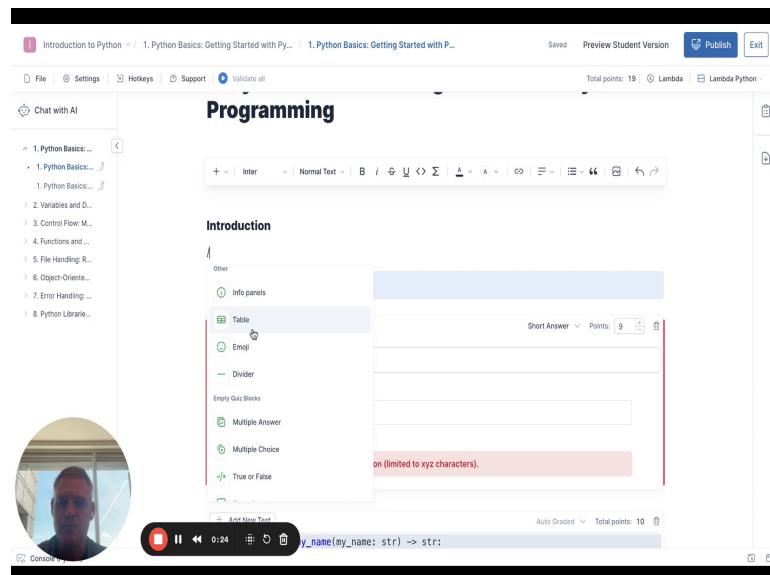
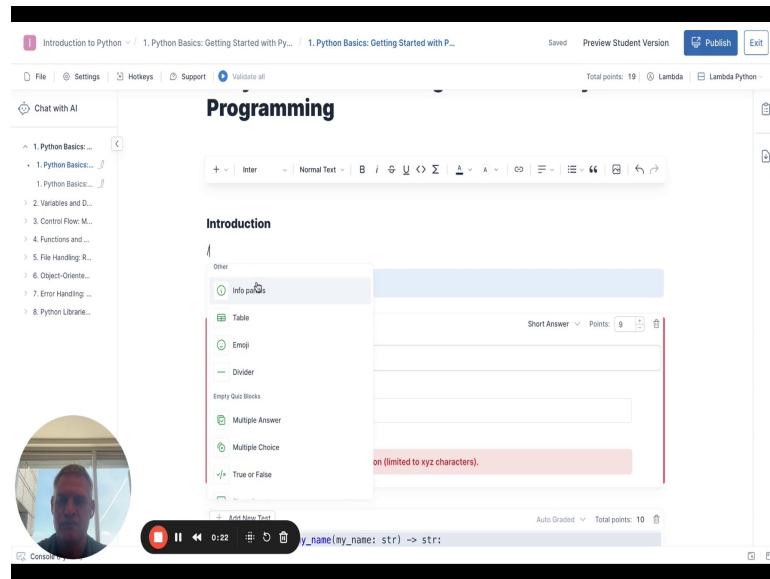
The screenshot shows a programming assignment interface. On the left, there's a sidebar with a navigation tree under '1. Python Basics: ...'. A circular video feed of a person is visible. The main area has a title 'Programming' and a section titled 'Introduction'. The rich text editor toolbar includes icons for bold, italic, underline, etc. A sidebar on the right lists various content blocks like Text, Heading 1, Heading 2, etc. A code input field at the bottom contains the Python code `y_name(my_name: str) -> str:`. The status bar at the bottom shows a timer at 0:18 and a play/pause button.

This screenshot is from the same assignment interface but shows a different configuration of the sidebar blocks. The 'Text' block is now highlighted. Other blocks like 'Heading 1', 'Heading 2', 'Heading 3', 'List', 'Task list', 'Expansion panel', and 'Quote' are also listed. The rest of the interface, including the code input field and the bottom status bar, remains the same.

The screenshot shows a programming assignment interface. The title is "Programming". A sidebar on the left lists sections: 1. Python Basics..., 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented..., 7. Error Handling: ..., and 8. Python Libraries... . A video feed of a person is visible in the bottom-left corner. The main area contains a question titled "Introduction" with a "Drawing Block" and a "YouTube block". The question asks for a "Short Answer" worth 9 points. The text input field has a placeholder "on (limited to xyz characters)." Below the question, there is a timer at 0:20 and a code editor with the following Python code:

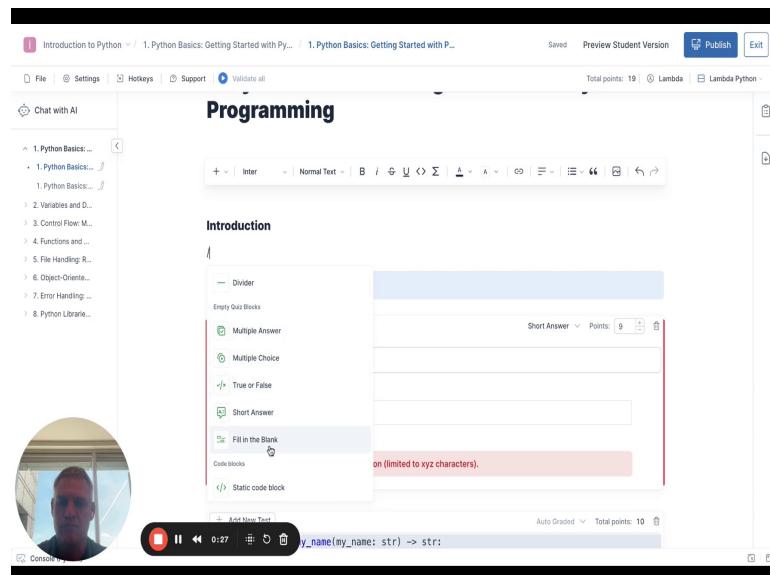
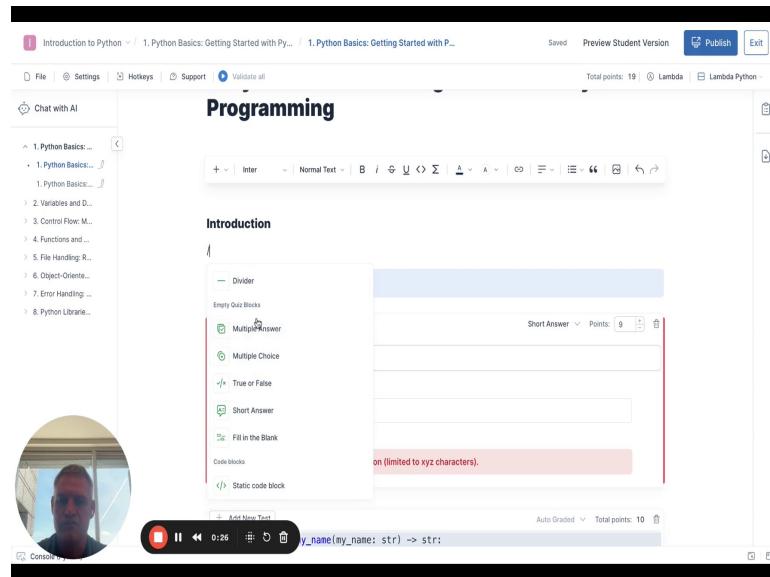
```
y_name(my_name: str) -> str:
```

This screenshot shows the same programming assignment interface after the question has been completed. The "Emoji" block is now highlighted in blue. The code editor still displays the same Python code as in the previous screenshot.



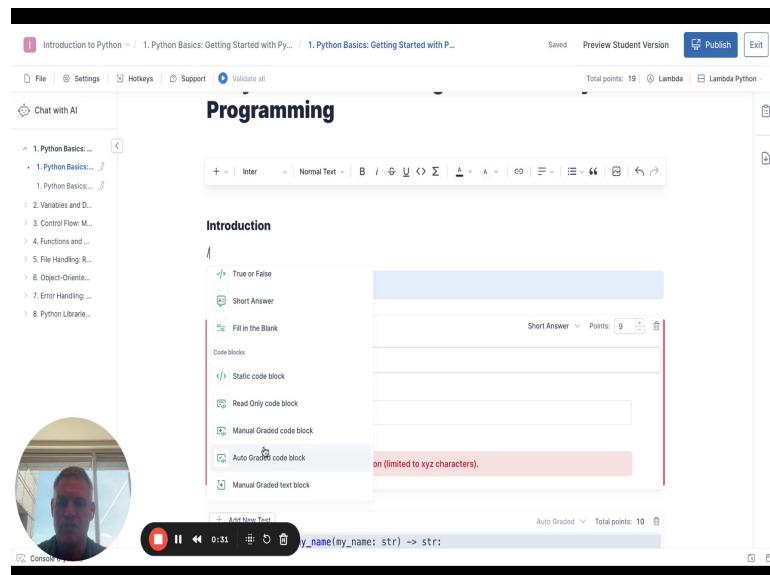
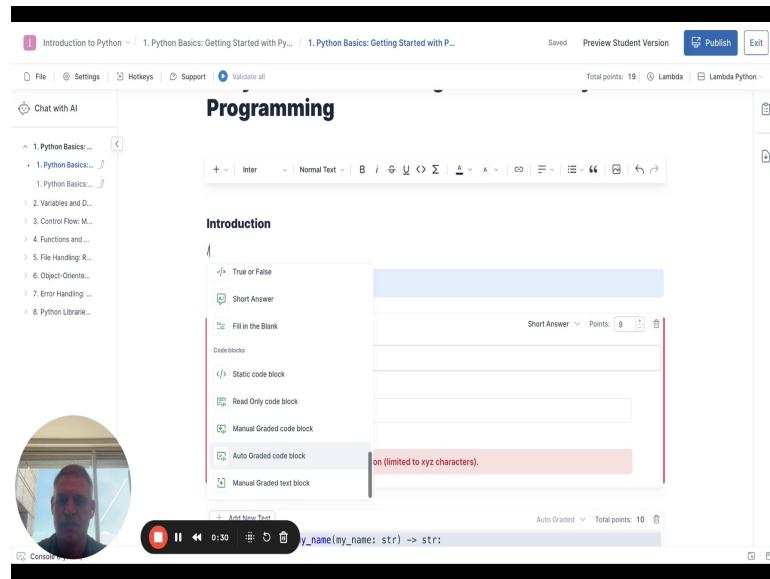
This screenshot shows a programming quiz interface. On the left, there is a sidebar with a navigation tree under '1. Python Basics: ...'. The main area has a title 'Programming' and a section titled 'Introduction'. A video feed of a person's face is displayed on the left. Below the video is a text input field with placeholder text: 'y\_name(my\_name: str) -> str:'. The input field has a red border and a note: 'on (limited to xyz characters.)'. At the bottom, there is a timer at 0:24 and a code editor with the same code snippet.

This screenshot shows a programming quiz interface, identical to the one above but with a different question type. The text input field now has a note: 'Fill in the Blank' and 'on (limited to xyz characters.)'. The rest of the interface, including the sidebar, title, and video feed, remains the same.



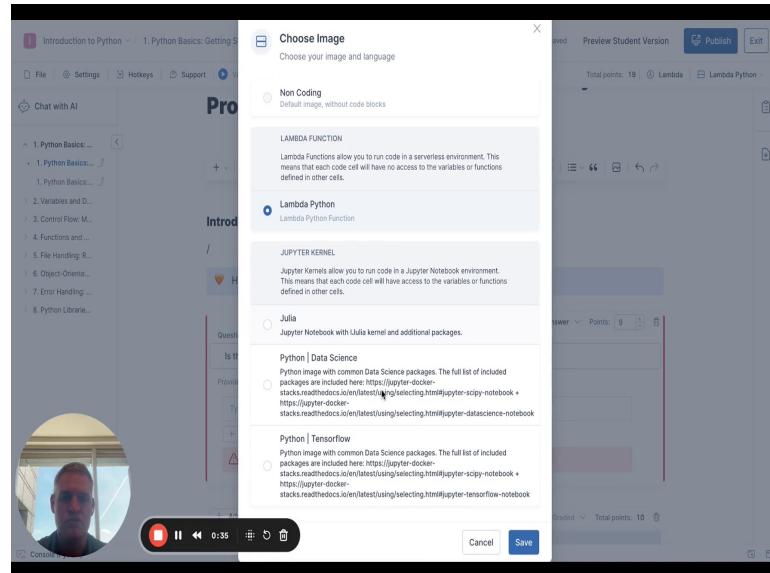
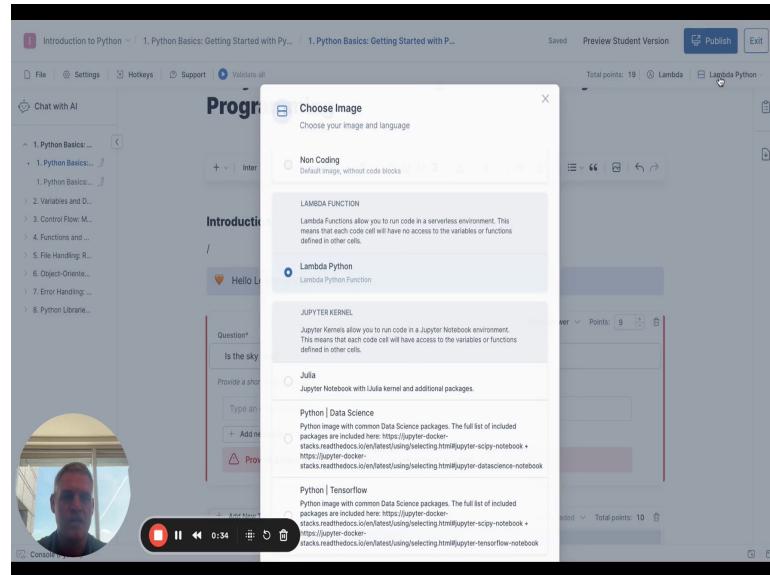
The screenshot shows a web-based programming environment. At the top, there's a navigation bar with tabs for "Introduction to Python" and "1. Python Basics: Getting Started with Py...". Below the navigation is a toolbar with icons for File, Settings, Hotkeys, Support, Validate all, Preview Student Version, Publish, and Exit. The main area has a title "Programming" and a sidebar with a "Chat with AI" button and a tree view of course sections: 1. Python Basics, 2. Variables and D..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented..., 7. Error Handling: ..., and 8. Python Library.... A circular video feed of a person is visible on the left. The central workspace contains an "Introduction" section with a "True or False" question and a "Short Answer" input field. Below this is a "Fill in the Blank" section with various code block options like "Static code block", "Read Only code block", "Manual Graded code block", "Auto Grader code block", and "Manual Graded text block". A red box highlights the "Auto Grader code block" section. At the bottom, there's a code editor with the placeholder text "y\_name(my\_name: str) -> str:" and a status bar showing "Auto Graded" and "Total points: 10".

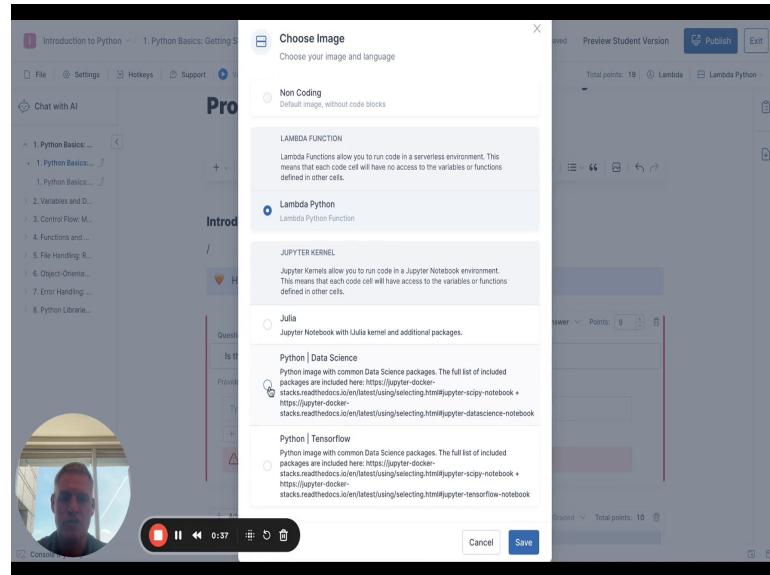
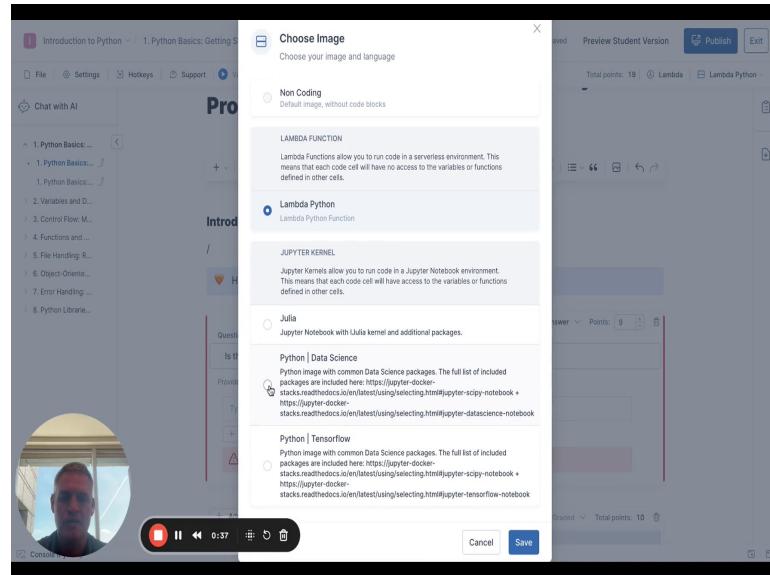
This screenshot is nearly identical to the one above, showing the same programming environment. The main difference is in the code editor at the bottom, where the placeholder text has changed to "y\_name(my\_name: str) -> str: 1". The rest of the interface, including the sidebar, video feed, and workspace elements, remains the same.

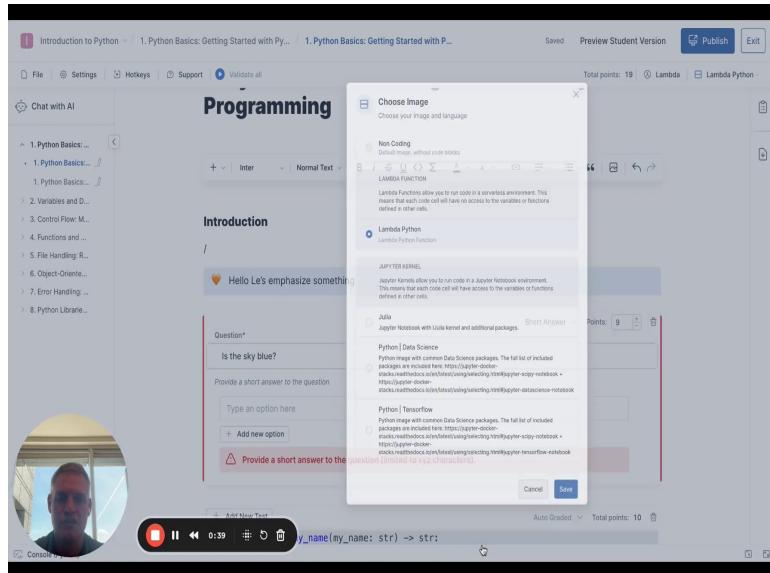
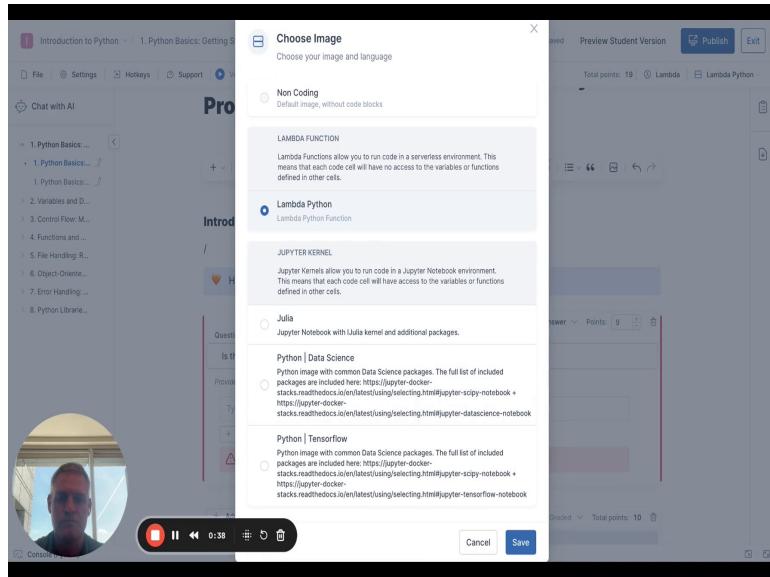


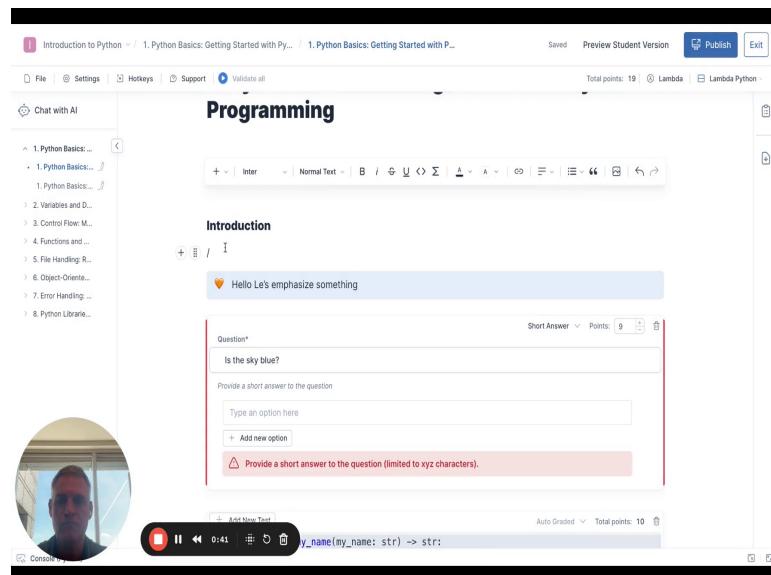
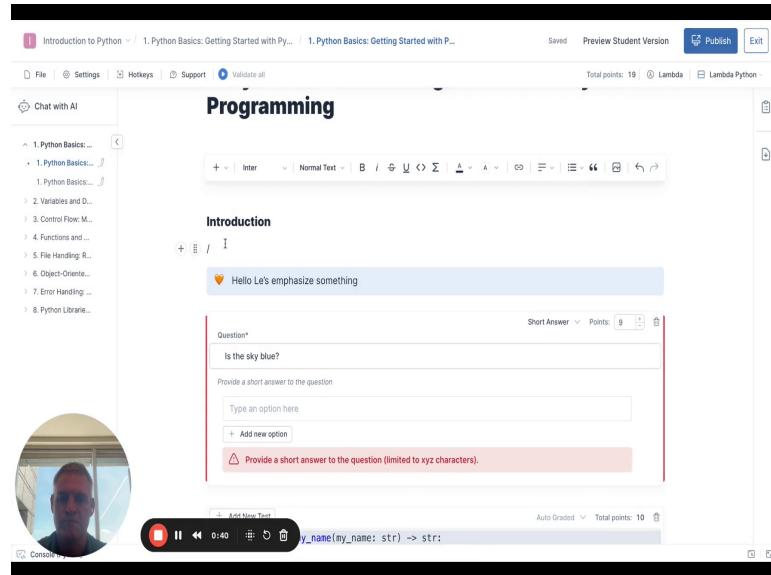
The screenshot shows a programming assignment interface. On the left, a sidebar lists topics: 1. Python Basics, 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented ..., 7. Error Handling: ..., and 8. Python Libraries. A video feed of a person is visible in the bottom-left corner. The main area has a title "Programming" and a section titled "Introduction". A "Fill in the Blank" question is displayed with a text input field containing "y\_name(my\_name: str) -> str:" and a note: "on (limited to xyz characters)". The question is auto-graded with 10 points.

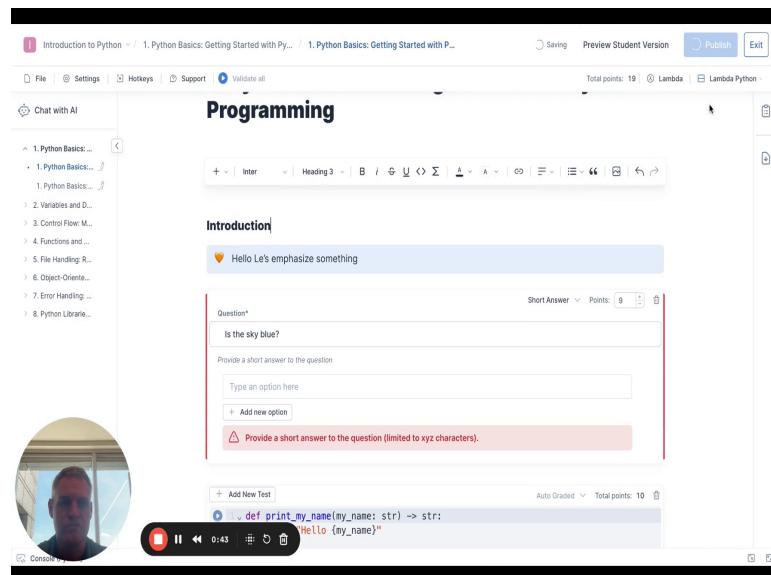
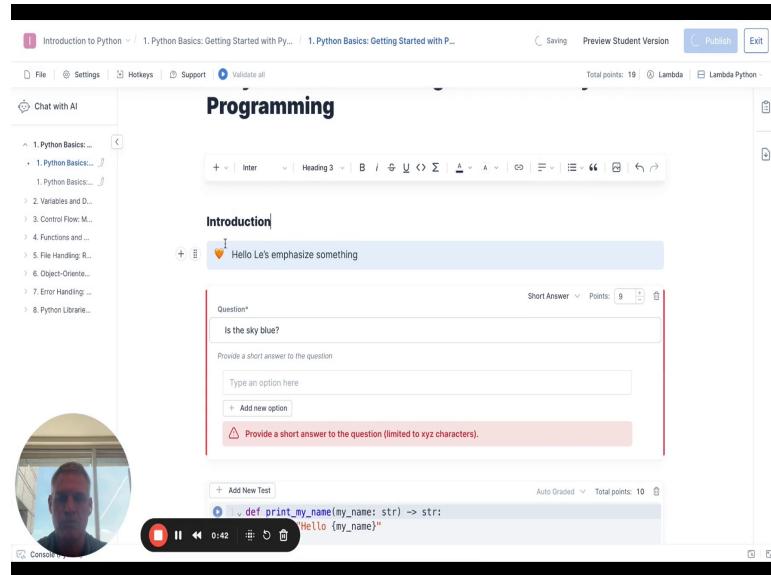
The screenshot shows a programming assignment interface. The sidebar and video feed are identical to the first screenshot. The main area displays a "Short Answer" question with the text "Is the sky blue?". Below it is a note: "Provide a short answer to the question (limited to xyz characters)". The question is auto-graded with 10 points.







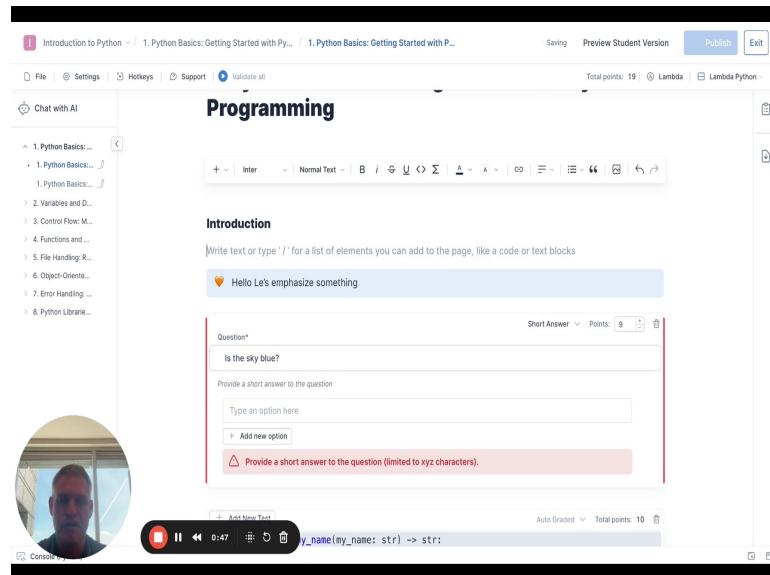
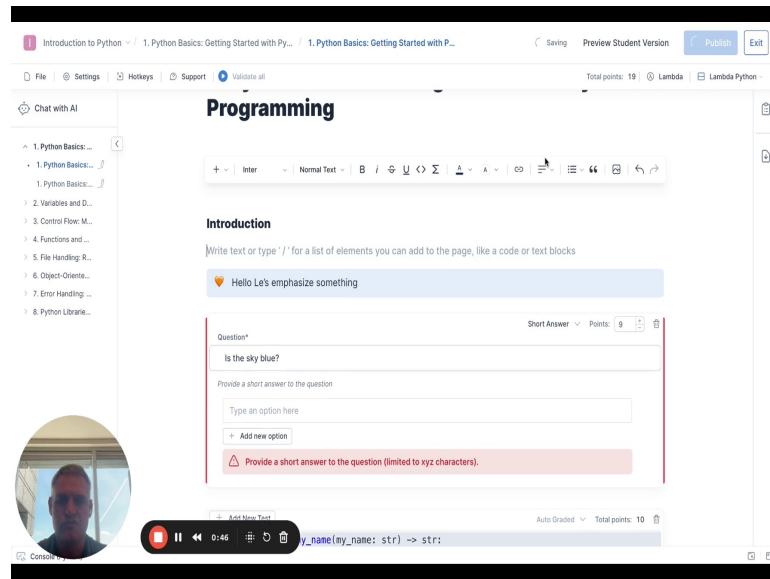




A screenshot of a web-based programming environment. On the left, there's a sidebar with a navigation tree for "Python Basics" chapters. A video call interface shows a person's face in a circular frame. The main area has a title "Programming" and a section titled "Introduction". Below it is a text input field containing "Hello Let's emphasize something". A question card is displayed with the question "Is the sky blue?", a text input field, and a note: "Provide a short answer to the question". At the bottom, there's a code editor with a partially typed Python function:

```
+ Add New Test  
def print_my_name(my_name: str) -> str:  
    Hello {my_name}"
```

This screenshot is nearly identical to the one above, but the code in the editor has been submitted. The status bar at the bottom now shows "0:45" instead of "0:44", indicating the code was typed or submitted during that time interval.



The screenshot shows a programming exercise interface. On the left, there's a sidebar with a navigation tree under '1. Python Basics': 1. Python Basics..., 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented..., 7. Error Handling: ..., and 8. Python Libraries... Below the sidebar is a video feed of a person's face. The main area is titled 'Programming' and contains an 'Introduction' section with a placeholder text box. A question card is displayed: 'Question\*' with the text 'Is the sky blue?' and 'Points: 9'. Below it is a text input field with the placeholder 'Provide a short answer to the question' and a note 'Type an option here'. There's also a button '+ Add new option'. A red warning box at the bottom says '⚠ Provide a short answer to the question (limited to xyz characters.)'. At the bottom of the screen, there's a toolbar with icons for file operations and a status bar showing 'Auto Graded' and 'Total points: 10'.

This screenshot is identical to the one above, showing the same programming exercise interface with the 'Is the sky blue?' question and the red warning message. The video feed, sidebar, and overall layout are the same.

The screenshot shows a programming exercise interface. On the left, there's a sidebar with a navigation tree under '1. Python Basics: ...'. The main area has a title 'Programming' and a section titled 'Introduction'. A text input field contains the placeholder 'Hello Let's emphasize something'. Below it is a question card for 'Is the sky blue?'. The card includes a text input field, a note to 'Provide a short answer to the question', and a warning message: '⚠ Provide a short answer to the question (limited to xyz characters.)'. At the bottom, there's a video player showing a person's face and a code editor with the line `y_name(my_name: str) -> str:`.

This screenshot is nearly identical to the one above, showing the same exercise interface. The main difference is the video player, which now shows the timestamp '0:51' instead of '0:50'. The rest of the interface, including the sidebar, introduction text, question card, and code editor, remains the same.

The screenshot shows a programming lesson interface. On the left, there's a sidebar with a navigation tree under '1. Python Basics': 1. Python Basics..., 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented..., 7. Error Handling: .., and 8. Python Libaries... A circular video feed of a person is visible. The main area has a toolbar at the top with 'File', 'Settings', 'Hotkeys', 'Support', 'Validate all', 'Preview Student Version', 'Publish' (highlighted in blue), and 'Exit'. Below the toolbar is a text editor with a toolbar above it containing icons for 'Inter', 'Normal Text', bold, italic, underline, etc. The title 'Programming' is at the top. A section titled 'Introduction' contains the text: 'Hello Let's emphasize something'. A question card is open: 'Question\*' with the text 'Is the sky blue?' and 'Short Answer Points: 9'. Below it is a text input field with placeholder 'Type an option here' and a button '+ Add new option'. A red warning box says 'Provide a short answer to the question (limited to xyz characters.)'. At the bottom of the question card is 'Auto Graded Total points: 10'. A video player at the bottom shows a person speaking, with a progress bar at 0:52.

This screenshot shows the same programming lesson interface, but from the student's perspective. The question 'Is the sky blue?' now has an answer entered in the text input field: 'Option'. The video player at the bottom shows a person speaking, with a progress bar at 0:53.

Introduction to Python / 1. Python Basics: Getting Started with Py... / 1. Python Basics: Getting Started with P...

Saved Back to Instructor view Exit

Every charge is saved, the last charge was a few seconds ago

Ints: 19 Lambda

Hotkeys Support Validate all

1. Python Basics: ...  
1. Python Basics: ...  
1. Python Basics: ...  
2. Variables and D...  
3. Control Flow: M...  
4. Functions and ...  
5. File Handling: R...  
6. Object-Oriented...  
7. Error Handling: ...  
8. Python Librarie...

# Programming

## Introduction

💡 Hello Let's emphasize something

Question\* Is the sky blue? Short Answer Points: 9

Provide a short answer to the question

Option

Auto Graded Total points: 10

Enter your Solution code

Hello everyone! Welcome to today's lesson on Python Basics: Getting Started with Python Programming. I'm thrilled to have you here as we dive into the exciting world of Python programming. Whether you're an intermediate learner looking to expand your skills or someone with a bit of foundational knowledge, this lesson is designed to help you take your Python programming to the next level.

0:54

Console

Introduction to Python / 1. Python Basics: Getting Started with Py... / 1. Python Basics: Getting Started with P...

Saved Back to Instructor view Exit

Total points: 19 Lambda

Hotkeys Support Validate all

1. Python Basics: ...  
1. Python Basics: ...  
1. Python Basics: ...  
2. Variables and D...  
3. Control Flow: M...  
4. Functions and ...  
5. File Handling: R...  
6. Object-Oriented...  
7. Error Handling: ...  
8. Python Librarie...

# Programming

## Introduction

💡 Hello Let's emphasize something

Question\* Is the sky blue? Short Answer Points: 9

Provide a short answer to the question

Option

Auto Graded Total points: 10

Enter your Solution code

Hello everyone! Welcome to today's lesson on Python Basics: Getting Started with Python Programming. I'm thrilled to have you here as we dive into the exciting world of Python programming. Whether you're an intermediate learner looking to expand your skills or someone with a bit of foundational knowledge, this lesson is designed to help you take your Python programming to the next level.

0:56

Console

The screenshot shows a programming exercise interface. On the left, there's a sidebar with a navigation tree under '1. Python Basics: ...'. The main area has a title 'Programming' and a section titled 'Introduction'. A text input field contains the placeholder 'Hello Let's emphasize something'. Below it is a question card for 'Is the sky blue?'. The card includes a text input field, a note to 'Provide a short answer to the question', and a note to 'Type an option here'. A red warning box at the bottom says '⚠ Provide a short answer to the question (limited to xyz characters.)'. At the bottom of the screen, there's a video player showing a person's face and a code editor with the line `y_name(my_name: str) -> str:`.

This screenshot is identical to the one above, showing the same programming exercise interface with the question 'Is the sky blue?' and the warning message about character limits.

A screenshot of a web-based programming environment. On the left, there's a sidebar with a navigation tree for "Python Basics" and a circular video feed of a person. The main area has a title "Programming" and a section titled "Introduction". Below it is a text input field containing "Hello Let's emphasize something". A question card is visible, asking "Is the sky blue?", with a note about providing a short answer. At the bottom, there's a code editor with the placeholder "my\_name(my\_name: str) -> str:" and a timer indicating 0:59.

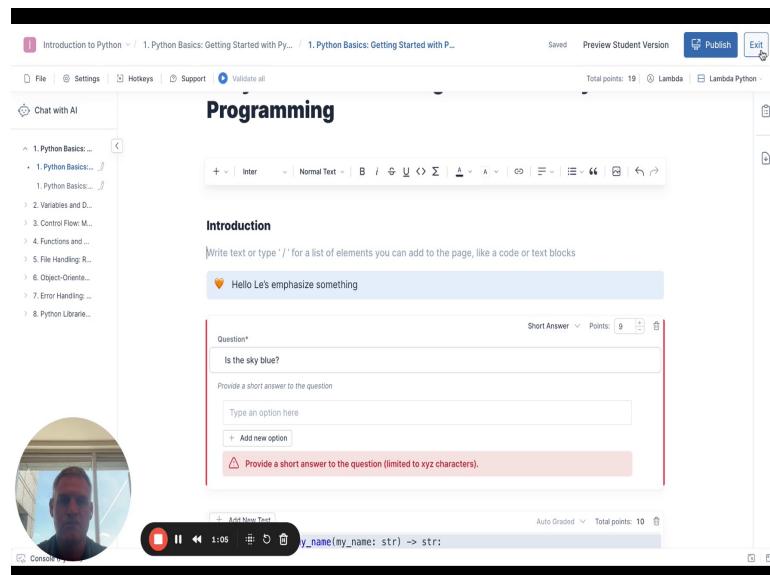
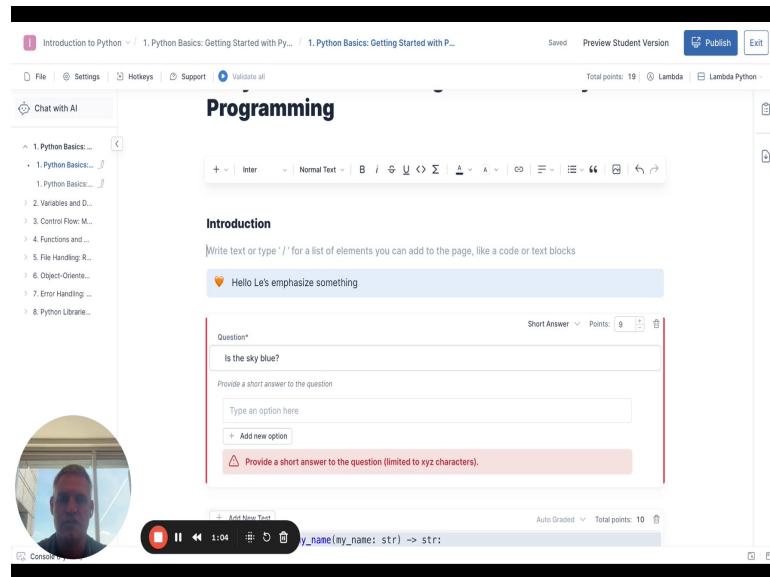
A second screenshot of the same programming environment, taken shortly after the first. The video feed and sidebar remain the same. The main area still shows the "Introduction" section and the text input field. The question card for "Is the sky blue?" now has a red warning box at the bottom stating "Provide a short answer to the question (limited to xyz characters)". The code editor and timer are also present.

The screenshot shows a programming exercise interface. On the left, there's a sidebar with a navigation tree under '1. Python Basics: ...'. The main area has a title 'Programming' and a section titled 'Introduction'. A text box contains the placeholder text 'Hello Let's emphasize something'. Below it is a question card for 'Is the sky blue?'. The card includes a text input field, a note to 'Provide a short answer to the question', and a note to 'Type an option here'. At the bottom of the card is a red warning box stating '⚠ Provide a short answer to the question (limited to xyz characters.)'. The status bar at the bottom shows a timer at 1:00 and the code snippet `y_name(my_name: str) -> str:`.

This screenshot is identical to the one above, showing the same programming exercise interface with the question 'Is the sky blue?' and the same warning message about character limits.

A screenshot of a web-based programming environment. At the top, there's a navigation bar with tabs for "Introduction to Python" and "1. Python Basics: Getting Started with Py...". On the right of the nav bar are buttons for "Preview Student Version", "Publish", and "Exit". Below the nav bar, there are links for "File", "Settings", "Hotkeys", "Support", and "Validate all". The main area has a title "Programming" and a sidebar with a "Chat with AI" section containing a list of Python topics. A video feed of a man is visible in the bottom-left corner. The central content area shows an "Introduction" section with a text input field containing "Hello Let's emphasize something". Below it is a "Question" section for "Is the sky blue?", with a "Short Answer" input field and a note about character limits. A red error message box says "Provide a short answer to the question (limited to xyz characters)". At the bottom, there's a toolbar with icons for "Add New Text", a timer (1:02), and code snippets, along with "Auto Graded" and "Total points: 10" buttons.

A second screenshot of the same programming environment, showing the same interface and content as the first one. It includes the video feed, the "Programming" title, the sidebar with Python topics, the "Introduction" section with the emphasized text, the "Question" section for "Is the sky blue?", and the error message about character limits. The toolbar at the bottom also remains the same.



The screenshot shows the 'Lessons' section of the Datadog Campus interface. The main content area displays a hierarchical list of lessons under two main categories:

- 1. Python Basics: Getting Started with Python Programming**
  - 1.1 Python Basics: Getting Started with Python Programming (Status: Draft, 0 Submissions)
  - 1.2 Python Basics: Getting Started with Python Programming Quiz (Status: Draft, 0 Submissions)
- 2. Variables and Data Types: Understanding Python's Data Structures**
  - 2.1 Variables and Data Types: Understanding Python's Data Structures (Status: Draft, 0 Submissions)
  - 2.2 Variables and Data Types: Understanding Python's Data Structures Quiz (Status: Draft, 0 Submissions)

Below the lesson list, there is a media player bar showing a video thumbnail of a person, the time 1:06, and playback controls.

The screenshot shows the 'Context Manager' section of the Datadog Campus interface. The main content area displays a table with one row of data:

NAME	DATA SOURCES	CREATED	STATUS
Introduction to matt	secrets_1.txt	02/07/24	Ready

Below the table, there is a media player bar showing a video thumbnail of a person, the time 1:07, and playback controls. At the bottom right of the page, it says "v. 2024.4.11".

The screenshot shows the Datadog Context Manager interface. On the left, there's a sidebar with icons for Courses, Members, Files, Integrations, Archive, and Campus Settings. A circular profile picture of a man is displayed. At the bottom, there's a video player with controls for play/pause, volume, and a timestamp of 1:09. The main area is titled "Context Manager" and contains a table with one row:

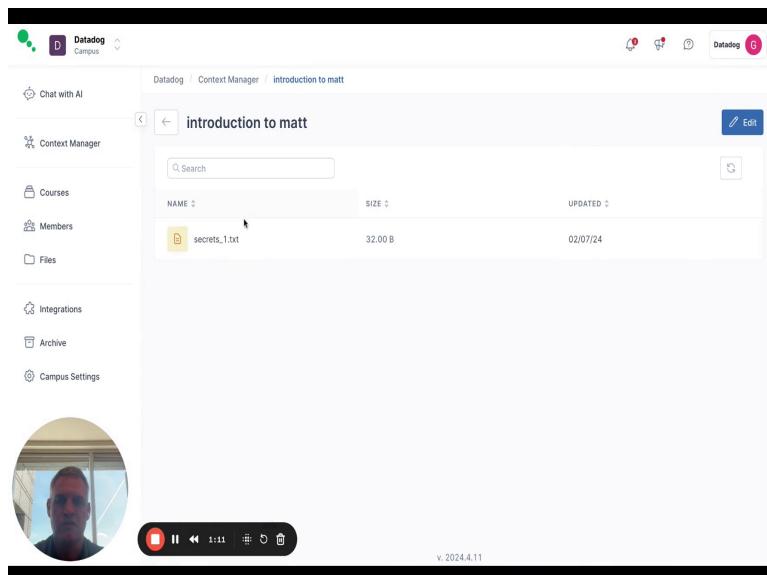
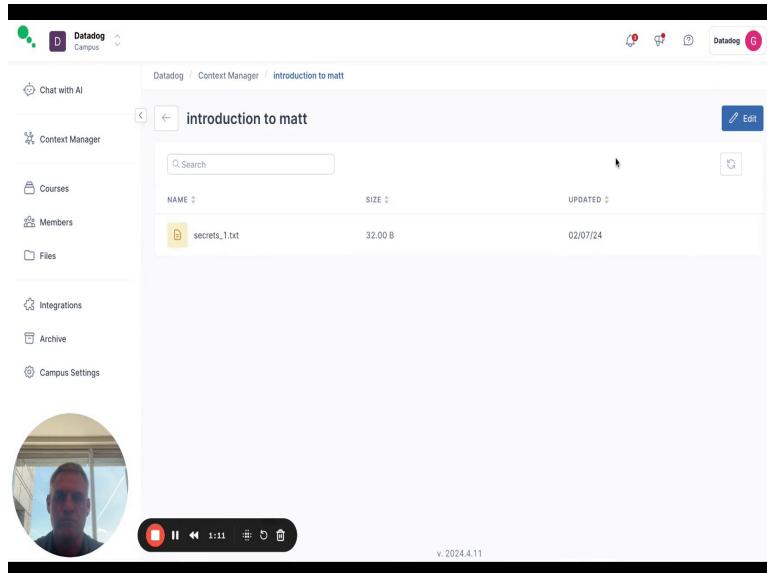
NAME	DATA SOURCES	CREATED	STATUS
introduction to matt	secrets_1.txt	02/07/24	Ready

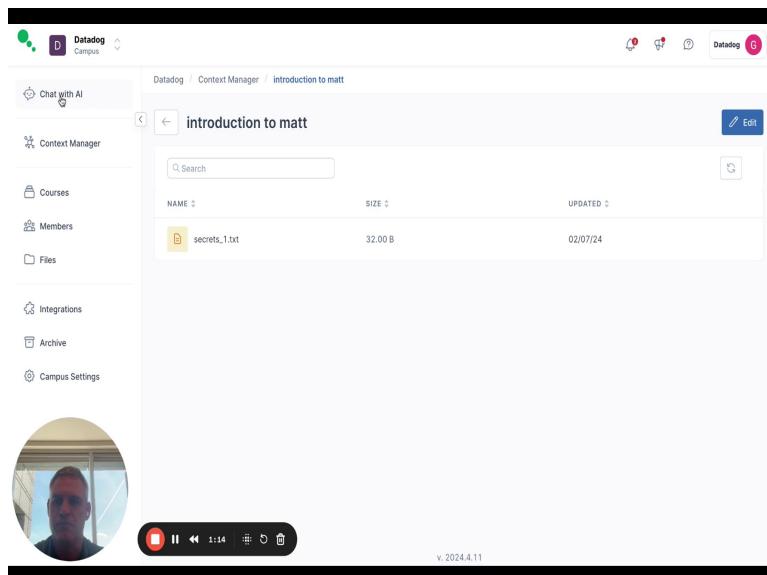
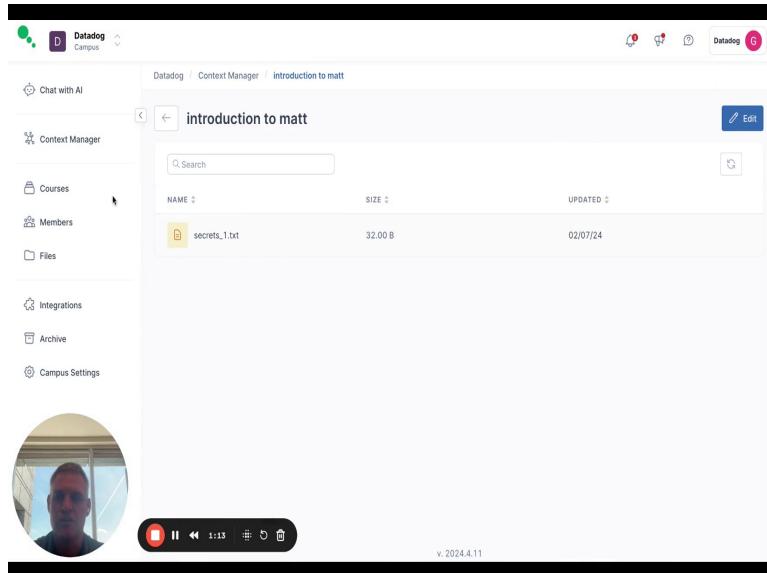
A search bar is located at the top of the main content area. A button labeled "+ Create Context" is in the top right corner. The footer of the page shows the version "v. 2024.4.11".

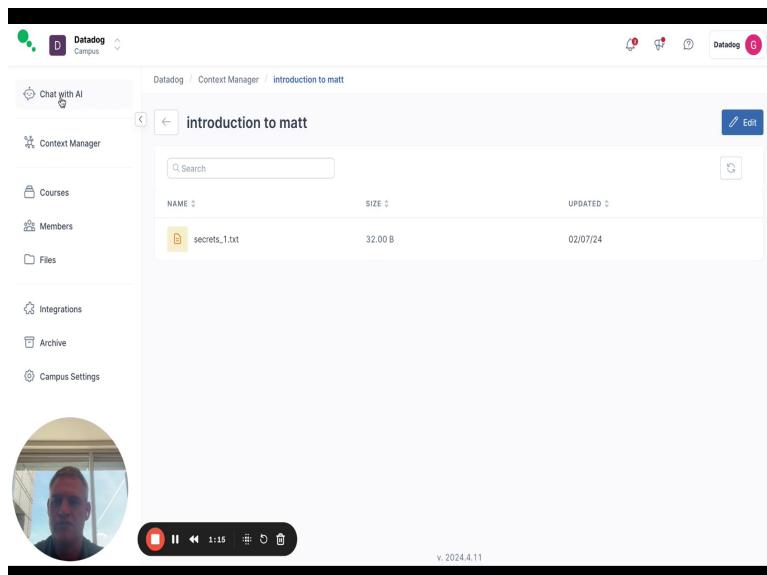
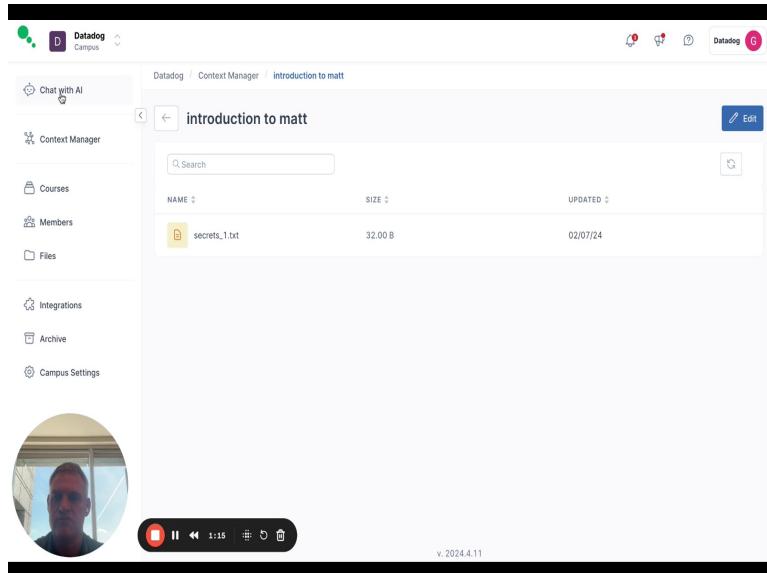
This screenshot shows a detailed view of a context named "introduction to matt". The interface is similar to the first one, with the same sidebar and video player at the bottom. The main title is "introduction to matt". The table in the center shows the following details:

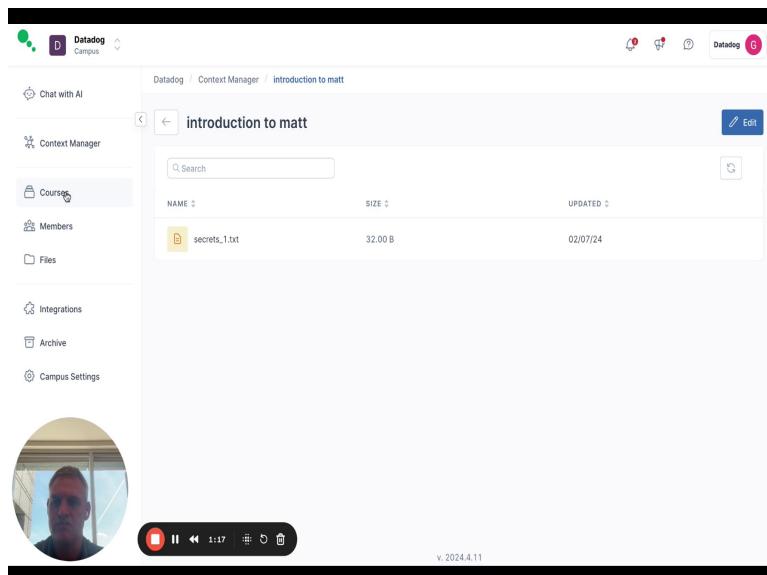
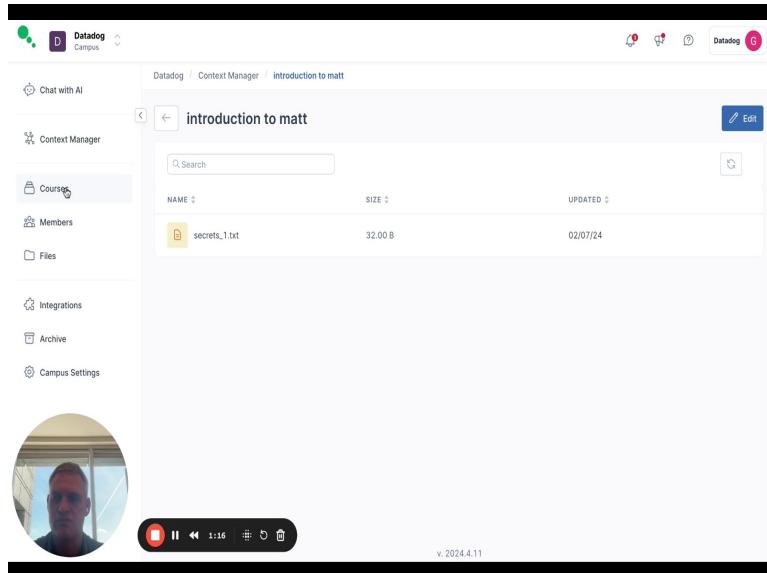
NAME	SIZE	UPDATED
secrets_1.txt	32.00 B	02/07/24

An "Edit" button is visible in the top right of the main content area. The footer shows the version "v. 2024.4.11".









Screenshot of the Datadog Context Manager interface. The main title is "introduction to matt". On the left, there's a sidebar with "Chat with AI", "Context Manager" (which is selected), "Courses", "Members", "Files", "Integrations", "Archive", and "Campus Settings". Below the sidebar is a circular profile picture of a man. At the bottom is a video player bar with controls (red square, play/pause, back, forward, volume, etc.) and the text "v. 2024.4.11".

NAME	SIZE	UPDATED
secrets_1.txt	32.00 B	02/07/24

Screenshot of the Datadog Context Manager interface. The main title is "Context Manager". On the left, there's a sidebar with "Chat with AI", "Context Manager" (which is selected), "Courses", "Members", "Files", "Integrations", "Archive", and "Campus Settings". Below the sidebar is a circular profile picture of a man. At the bottom is a video player bar with controls (red square, play/pause, back, forward, volume, etc.) and the text "v. 2024.4.11".

NAME	DATA SOURCES	CREATED	STATUS
introduction to matt	secrets_1.txt	02/07/24	Ready

The screenshot shows the Datadog Courses interface. On the left, there's a sidebar with options like 'Courses' (which is selected), 'Members', 'Files', 'Integrations', 'Archive', and 'Campus Settings'. Below the sidebar is a circular profile picture of a man. At the bottom of the sidebar is a video player with controls for play/pause, volume, and time (1:22). The main area is titled 'Courses' and contains a table with three rows:

NAME	STATUS	STUDENTS	ACTIVITIES	UPDATED
Introduction to Python	Unpublished	0	16	04/10/24
My other test	Published	0	1	03/12/24
Monitoring Course	Unpublished	2	36	03/01/24

At the top right of the main area is a '+ Create Course' button.

The screenshot shows a specific course page for 'Python Programming'. At the top, it says 'Introduction to Python > 1. Python Basics: Getting Started with Py... / 1. Python Basics: Getting Started with P...' and has buttons for 'Preview Student Version', 'Publish', and 'Exit'. Below this is a navigation bar with links for 'File', 'Settings', 'Hotkeys', 'Support', and 'Validate all'. The main content area is titled 'Python Programming' and features an 'Introduction' section with the text: 'Hello Let's emphasize something'. To the left of the introduction is a sidebar titled 'Chats with AI' which lists several history items. At the bottom of the sidebar is a video player with controls for play/pause, volume, and time (1:26). The right side of the screen shows a question form for 'Is the sky blue?'. The form includes fields for 'Question\*', 'Provide a short answer to the question', and 'Type an option here'. There's also a note: '⚠ Provide a short answer to the question (limited to xyz characters)'. At the very bottom, there are buttons for 'Add New Test', 'Auto Graded', and 'Total points: 10'.

The screenshot shows a Python Programming interface. On the left, there's a sidebar with a "Chat with AI" section containing a list of prompts and a "Main Chat" section. A video feed of a man is displayed in a circular frame at the bottom left. The main area is titled "Python Programming" and contains an "introduction" section with text and a code block. Below it is a question card for "Is the sky blue?". The interface includes various toolbars and a status bar at the bottom.

This screenshot is nearly identical to the one above, showing the same Python Programming interface. The video feed of the man is still visible, and the "introduction" section and question card are present. The overall layout and elements are consistent with the first screenshot.

This screenshot shows a Python Programming course interface. On the left, there's a sidebar with a tree view of course topics: 1. Python Basics, 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented ..., 7. Error Handling: .., and 8. Python Libraries. Below the sidebar is a video player showing a man's face. To the right of the video player is a text editor window titled "Python Programming". The text editor contains a section titled "introduction" with the following content:

vectors to a particular query vector. It is commonly used in the context of a nearest neighbour search, which is a method of searching vector spaces that finds the closest or most similar vectors to a query vector.

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

The measure of "similarity" depends on a particular distance metric such as Euclidean distance or cosine similarity. The aim of this top-k operation is to find the most relevant results according to the context of the search task.

Below the text editor is a toolbar with various icons for file operations like "New", "Open", "Save", etc. At the bottom of the text editor window, there are buttons for "Add New Test", "Auto Graded", and "Total points: 10".

This screenshot is identical to the one above, showing the same Python Programming course interface with the "introduction" section and the text editor window containing the same content and toolbar.

The screenshot shows a web-based Python programming environment. On the left, there's a sidebar with a tree view of course content under '1. Python Basics: Getting Started with Py...'. A video feed of a man is visible in the bottom-left corner. The main area is titled 'Python Programming' and contains an 'Introduction' section with text about vector similarity and Euclidean distance. Below this is a 'Question' section asking 'Is the sky blue?' with a 'Short Answer' input field and a note about character limits. The top navigation bar includes 'Preview Student Version', 'Publish', and 'Exit' buttons.

This screenshot is nearly identical to the first one, showing the same course content, video feed, and question section. The only difference is the timestamp at the bottom of the video feed, which has changed from '1:31' to '1:32'.

This screenshot shows a Python Programming course page. At the top, there's a navigation bar with 'Introduction to Python' and '1. Python Basics: Getting Started with Py...'. Below it is a 'Chats with AI' sidebar with a tree view of topics like '1. Python Basics...', '2. Variables and D...', etc. The main content area has a title 'Python Programming' and a section titled 'introduction'. A video player at the bottom shows a man speaking. On the right, there's a 'Question\*' input field with 'Is the sky blue?' typed in, and a 'Short Answer' button.

This screenshot is identical to the one above, showing the same Python Programming course page with the 'introduction' section and the video player. The question input field also contains 'Is the sky blue?'.

The screenshot shows a digital classroom interface. On the left, there's a sidebar with a tree view of course content: "1. Python Basics: Getting Started with Py..." is expanded, showing "1. Python Basics: Getting Started with Py...", "2. Variables and D...", "3. Control Flow: M...", "4. Functions and ...", "5. File Handling: R...", "6. Object-Oriented P...", "7. Error Handling: U...", and "8. Python Libraries: I...". A circular video feed of a person is on the right, with a timestamp of "1:35" below it. The main area has a title "Chats with AI" and a section titled "introduction". It contains text about top-k search in vector databases and a question "Is the sky blue?" with a "Short Answer" input field and a "Points: 9" button.

This screenshot is nearly identical to the one above, showing the same course content sidebar and video feed. The timestamp in the video feed has changed to "1:36". The main content area, including the "introduction" section and the question "Is the sky blue?", remains the same.

The screenshot shows a digital classroom interface. On the left, there's a sidebar with a tree view of course content: "1. Python Basics: Getting Started with Py..." is expanded, showing "1. Python Basics:..." and "2. Variables and D...". Below this are sections for Control Flow, Functions, File Handling, Object-Oriented, Error Handling, and Python Libraries. On the right, there's a main workspace with a toolbar at the top. The workspace contains a video feed of a person, a text editor with code snippets, and a question-and-answer interface.

**introduction**

Top-k in a vector database refers to a query that retrieves the top k most similar vectors to a particular query vector. It is commonly used in the context of a nearest neighbour search, which is a method of searching vector spaces that finds the closest or most similar vectors to a query vector.

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

The measure of "similarity" depends on a particular distance metric such as Euclidean distance or cosine similarity. The aim of this top-k operation is to find the most relevant results according to the context of the search task.

Asks [redacted] 1:37

Console

Question\*  
Is the sky blue?

The screenshot shows a digital classroom interface. On the left, there's a sidebar with a tree view of course content: "1. Python Basics: Getting Started with Py..." is expanded, showing "1. Python Basics:..." and "2. Variables and D...". Below this are sections for Control Flow, Functions, File Handling, Object-Oriented, Error Handling, and Python Libraries. On the right, there's a main workspace with a toolbar at the top. The workspace contains a video feed of a person, a text editor with code snippets, and a question-and-answer interface.

**introduction**

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Asks [redacted] 1:38

Console

Question\*  
Is the sky blue?

The screenshot shows a digital classroom interface. On the left, there's a sidebar with a tree view of course content: "1. Python Basics: Getting Started with Py..." expanded, showing "1. Python Basics:..." and "2. Variables and D...". Below this is a video feed of a man with short hair and a beard, wearing a dark shirt. He is speaking. To his right is a text-based chat window with the heading "Chats with AI". The main content area has a section titled "introduction" with text about vector search and similarity metrics. A sidebar on the right contains various icons and settings.

This screenshot is from the same digital classroom interface. The video feed and sidebar are identical to the first screenshot. The main content area now shows the AI's response to the question "Is the sky blue?". It includes a "Hello Let's emphasize something" message, a "Question\*" input field with "Is the sky blue?", and a "Provide a short answer to the question" input field with "Type an option here".

This screenshot shows a digital classroom interface. On the left, there's a sidebar with a tree view of course content: '1. Python Basics: Getting Started with Py...', '2. Variables and D...', '3. Control Flow: M...', '4. Functions and ...', '5. File Handling: R...', '6. Object-Oriented P...', '7. Error Handling: ...', and '8. Python Libraries'. A circular video feed of a man is visible. The main area has tabs for 'Chats with AI' and 'Chats with AI'. The 'Chats with AI' tab is active, showing a message from the AI about vector similarity and top-k search. Below this, a student message says 'Hello Let's emphasize something'. A question box is open, asking 'Is the sky blue?' with a 'Short Answer' dropdown set to '9'. A text input field says 'Provide a short answer to the question' and a button says 'Type an option here'. A red 'Add new option' button is also present.

This screenshot shows the same digital classroom interface after the student has added an option. The question box now shows 'Is the sky blue?' with a 'Short Answer' dropdown set to '9'. The text input field contains the student's response: 'The sky is blue'. The red 'Add new option' button is still visible.

The screenshot shows a web-based AI chat interface. On the left, there's a sidebar with a tree view of topics: 1. Python Basics, 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented ..., 7. Error Handling: ..., and 8. Python Libraries. A circular profile picture of a man is displayed. The main area has a title "1. Python Basics: Getting Started with Python Programming". Below it is a section titled "Introduction" with text about vector similarity and nearest neighbor search. A message bubble from "Hello Le's emphasize something" is shown. At the bottom, there's a toolbar with icons for file operations like save, publish, and exit.

This screenshot is identical to the one above, showing the same AI chat interface with the "1. Python Basics" topic selected, the introduction text, and the message from "Hello Le's emphasize something".

The screenshot shows a user interface for a Python course. On the left, there's a sidebar with a tree view of course content, including sections like '1. Python Basics...', '2. Variables and ...', etc. A video call window on the right shows a person's face. Below the video is a text editor window with a toolbar. The main content area displays a section titled '1. Python Basics: Getting Started with Python Programming' with sub-sections 'Introduction' and 'Top-k'. A text input field at the bottom contains the message 'Hello Le's emphasize something'.

This screenshot is identical to the one above, showing the same course content, video call, text editor, and text input field.

This screenshot shows a video call interface. On the left, there is a circular video feed of a man with short hair. To his right is a text editor window titled "Chats with AI". The text editor contains a sidebar with a tree view of "1. Python Basics:" sections. The main content area displays a block of text about vector search and similarity measures. Below the text editor is a toolbar with various icons. At the bottom of the screen, there is a control bar for the video call, showing a red record button, a play/pause button, a timer at 1:49, and other controls.

**1. Python Basics: Getting Started with Python Programming**

vectors to a particular query vector. It is commonly used in the context of a nearest neighbour search, which is a method of searching vector spaces that finds the closest or most similar vectors to a query vector.

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

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Top-k in a vector database refers to a query that retrieves the top k most similar vectors to a particular query vector. It is commonly used in the context of a nearest neighbour search, which is a method of searching vector spaces that finds the closest or most similar vectors to a query vector.

Hello Le's emphasize something

This screenshot shows a video call interface. On the left, there is a circular video feed of a man with short hair. To his right is a text editor window titled "1. Python Basics: Getting Started with Python Programming". The text editor contains a sidebar with a tree view of "1. Python Basics:" sections. The main content area displays the same block of text about vector search and similarity measures as the first screenshot. Below the text editor is a toolbar with various icons. At the bottom of the screen, there is a control bar for the video call, showing a red record button, a play/pause button, a timer at 1:50, and other controls. A question input field is visible at the bottom right.

**1. Python Basics: Getting Started with Python Programming**

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

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Hello Le's emphasize something

Question\* Points: 9

The screenshot shows a video call interface. On the left, there is a sidebar with a tree view of course content under '1. Python Basics: ...'. The main area displays a slide titled '1. Python Basics: Getting Started with Python Programming'. The slide content includes an 'Introduction' section with text about vector databases and similarity measures. Below the slide is a video player showing a man speaking. A text input field contains the message 'Hello Le's emphasize something'. A question box is visible at the bottom.

This screenshot is nearly identical to the one above, showing the same video call interface and slide content. The video player shows the same man speaking. The text input field now contains the message 'Hello Le's emphasize something'. A question box is visible at the bottom.

This screenshot shows a video call interface during a Python basics lesson. The main window displays a slide titled "1. Python Basics: Getting Started with Python Programming". The slide content includes an introduction to vector databases and their use in search tasks. A sidebar on the left lists course topics such as Python basics, variables, control flow, functions, file handling, object-oriented programming, error handling, and Python libraries. A video player at the bottom shows a person speaking, with a timestamp of 1:53. A text input field with the placeholder "Question\*" is visible, along with a "Short Answer" button and a points input field set to 9.

This screenshot shows a video call interface during a Python basics lesson. The main window displays a slide titled "1. Python Basics: Getting Started with Python Programming". The slide content includes an introduction to vector databases and their use in search tasks. A sidebar on the left lists course topics such as Python basics, variables, control flow, functions, file handling, object-oriented programming, error handling, and Python libraries. A video player at the bottom shows a person speaking, with a timestamp of 1:54. A text input field with the placeholder "Question\*" is visible, along with a "Short Answer" button and a points input field set to 9.

**1. Python Basics: Getting Started with Python Programming**

**Introduction**

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

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💡 Hello Let's emphasize something

Question\*

Short Answer Points: 9

**1. Python Basics: Getting Started with Python Programming**

**Introduction**

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Hello Let's emphasize something

Question\*

Short Answer Points: 9

This screenshot shows a video call interface. On the left, there is a sidebar with a tree view of course content under '1. Python Basics: Getting Started with Python'. The main area displays a slide titled '1. Python Basics: Getting Started with Python Programming'. The slide content includes an introduction about vector databases and a code editor window with a message from a participant.

**Introduction**

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

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💡 Hello Le's emphasize something

Question\*

Short Answer Points: 9

Console

This screenshot shows a video call interface, identical to the one above, displaying the same Python basics tutorial slide. The user is still interacting with the slide, specifically with the code editor window.

**Introduction**

This is useful in many areas, including information retrieval, data mining, and machine learning. For instance, given a query (a vector representation of a piece of text), a top-k search in a vector database (a collection of vector representations of a text corpus) will return the k most similar pieces of text.

The measure of "similarity" depends on a particular distance metric such as Euclidean distance or cosine similarity. The aim of this top-k operation is to find the most relevant results according to the context of the search task.

Top-k in a vector database refers to a query that retrieves the top k most similar vectors to a particular query vector. It is commonly used in the context of a nearest neighbour search, which is a method of searching vector spaces that finds the closest or most similar vectors to a query vector.

💡 Hello Le's emphasize something

Question\*

Short Answer Points: 9

Console

This screenshot shows a video call interface. On the left, there is a sidebar with a tree view of course content under '1. Python Basics: Getting Started with Python'. The main area displays a slide titled '1. Python Basics: Getting Started with Python Programming'. The slide content includes an 'Introduction' section with text about vector databases and similarity measures. A video player at the bottom shows a person speaking. A text input field with a microphone icon contains the message 'Hello Let's emphasize something'. A question box below it is labeled 'Question\*'.

This screenshot is identical to the one above, showing the same video call interface, course content sidebar, and slide content. The video player shows the same person speaking. The text input field still contains the message 'Hello Let's emphasize something'.

**1. Python Basics: Getting Started with Python Programming**

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The screenshot shows a web-based Python course interface. At the top, there's a navigation bar with links for "Introduction to Python", "1. Python Basics: Getting Started with Py...", and "1. Python Basics: Getting Started with P...". It also includes "Saved", "Preview Student Version", "Publish" (with a progress bar), and "Exit". Below the navigation is a sidebar titled "Chat with AI" containing a tree view of course topics: 1. Python Basics, 2. Variables and ..., 3. Control Flow: M..., 4. Functions and ..., 5. File Handling: R..., 6. Object-Oriented ..., 7. Error Handling: ..., and 8. Python Library.... A circular profile picture of a man is displayed next to the sidebar.

The main content area features a large title "1. Python Basics: Getting Started with Python Programming". Below it is a section titled "Introduction". The introduction text discusses the usefulness of Python in various fields like information retrieval, data mining, and machine learning, mentioning how a query (vector representation) can find the most similar pieces of text using Euclidean or cosine similarity.

Below the introduction is a text input field with a placeholder "Hello Let's emphasize something" and a "Question\*" label. There are "Short Answer" and "Points" dropdown menus set to 9. A video player control bar at the bottom shows a play button, a timestamp of "2:06", and other standard video controls.