

Create Variable Test Cases:

	Project Name	Loqui: Voice Powered Python Assistant	Test Designed By:	Niall Egan
	Functionality Name:	Create Variable Command	Test Designed Date:	04/05/23
			Test Executed By:	Niall Egan
			Test Executed Date:	04/05/23
Pre-condition:	N/A			
Dependencies:	N/A			
Test Priority:	N/A			
Test Case	Test Title	Test Summery	Test Steps	Test Data
1	Create String Variable	<ul style="list-style-type: none">The application successfully recorded the voice command.The code: x = "hoarse" was displayed in the editor.The User's spoken command was displayed in the command history.	<ol style="list-style-type: none">Click Start Recording button.Speak command for string variable.Click Stop Recording Button	<u>Input Command:</u> create a variable of type string where x equals hoarse
2	Create String Variable – Alternate command structure	<ul style="list-style-type: none">The application successfully recorded the voice command.The code: ex = "four" was displayed in the editor.The User's spoken command was displayed in the command history.	<ol style="list-style-type: none">Click Start Recording button.Speak command for string variable.Click Stop Recording Button	<u>Input Command:</u> create a variable where ex equals four of type string
3	Create Number Variable	<ul style="list-style-type: none">The application successfully recorded the voice command.The code: x = 9 was displayed in the editor.	<ol style="list-style-type: none">Click Start Recording button.Speak command for number variable.	<u>Input Command:</u> create a variable where x equals nine of a type number

		<ul style="list-style-type: none"> The User's spoken command was displayed in the command history. 	3. Click Stop Recording Button	
4	Create Number Variable – Alternate command structure	<ul style="list-style-type: none"> The application successfully recorded the voice command. The code: ex = 9 was displayed in the editor. The User's spoken command was displayed in the command history. 	1. Click Start Recording button. 2. Speak command for number variable. 3. Click Stop Recording Button	<u>Input Command:</u> create variable where ex equals nine of type number
5	Create List Variable	<ul style="list-style-type: none"> The application successfully recorded the voice command. The code: x = ['a', 'b', 'c'] was displayed in the editor. The User's spoken command was displayed in the command history. 	1. Click Start Recording button. 2. Speak command for list variable. 3. Click Stop Recording Button	<u>Input Command:</u> creat variable of type list where x equals a and b and c
6	Create List Variable – Alternate command structure	<ul style="list-style-type: none"> The application successfully recorded the voice command. The code: x = ['b', 'c', 'of', 'type', 'list'] was displayed in the editor. The application is incorrectly including the type declaration in 	1. Click Start Recording button. 2. Speak command for list variable. 3. Click Stop Recording Button	<u>Input Command:</u> create a variable where x equals and b and c of type list

		<p>the variable value.</p> <ul style="list-style-type: none"> The User's spoken command was displayed in the command history. 		
--	--	--	--	--

Create Variable Test Case Screenshots:

Test Case 1 – String command:

OPEN FILE | NEW FILE | SAVE FILE AS | SAVE FILE | CLOSE FILE

START RECORDING
STOP RECORDING

1 x = "hoarse"

Command History

create a variable of type string where x equals hoarse

Test Case 4 – Alt Number command:

OPEN FILE | NEW FILE | SAVE FILE AS | SAVE FILE | CLOSE FILE

START RECORDING
STOP RECORDING

1 x = 9

Command History

create a variable where x equals nine of a type number

Test Case 6 – Alt List command

OPEN FILE | NEW FILE | SAVE FILE AS | SAVE FILE | CLOSE FILE

START RECORDING
STOP RECORDING

1 x = ['b', 'c', 'of', 'type', 'list']

Command History

create a variable where x equals and b and c of type list

Print Statement Test Cases:

	Project Name	Loqui: Voice Powered Python Assistant	Test Designed By:	Niall Egan
	Functionality Name:	Create print statement command	Test Designed Date:	04/05/23
			Test Executed By:	Niall Egan
			Test Executed Date:	04/05/23
Pre-condition:	N/A			
Dependencies:	N/A			
Test Priority:	N/A			
Test Case	Test Title	Test Summary	Test Steps	Test Data
1	Create print statement for a string	<ul style="list-style-type: none">• The command was successfully recorded.• The code: <code>print("hello world")</code> was displayed in the editor.• The User command was successfully displayed in command history	<ol style="list-style-type: none">1. Click on Starting Recording button.2. Speak command to create print statement.3. Click on Stop Recording Button.	<u>Input Command:</u> add a print statement for string hello world
2	Create print statement for a string – Alternative command structure	<ul style="list-style-type: none">• The command was successfully recorded.• “Command Not Recognised” displayed in the editor. Command was incorrectly identified as create variable command and failed during parsing.• Command was successfully displayed in command history.	<ol style="list-style-type: none">1. Click on Starting Recording button.2. Speak command to create print statement.3. Click on Stop Recording Button.	<u>Input Command:</u> create a print statement for string hello world

3	Create print statement for a variable	<ul style="list-style-type: none"> Command was successfully recorded. The code: print(x) was displayed in the editor successfully. Command is successfully displayed in the command history. 	<ol style="list-style-type: none"> Click on Starting Recording button. Speak command to create print statement. Click on Stop Recording Button. 	<u>Input Command:</u> add a print statement for variable x
4	Create print statement for a variable – Alternative command structure	<ul style="list-style-type: none"> Command successfully recorded. No code displayed in the editor. Command was misidentified as create variable command and failed during parsing. Command was not successfully displayed during parsing. 	<ol style="list-style-type: none"> Click on Starting Recording button. Speak command to create print statement. Click on Stop Recording Button. 	<u>Input Command:</u> Create print statement for variable x

Print Statement Test Case Screenshots:

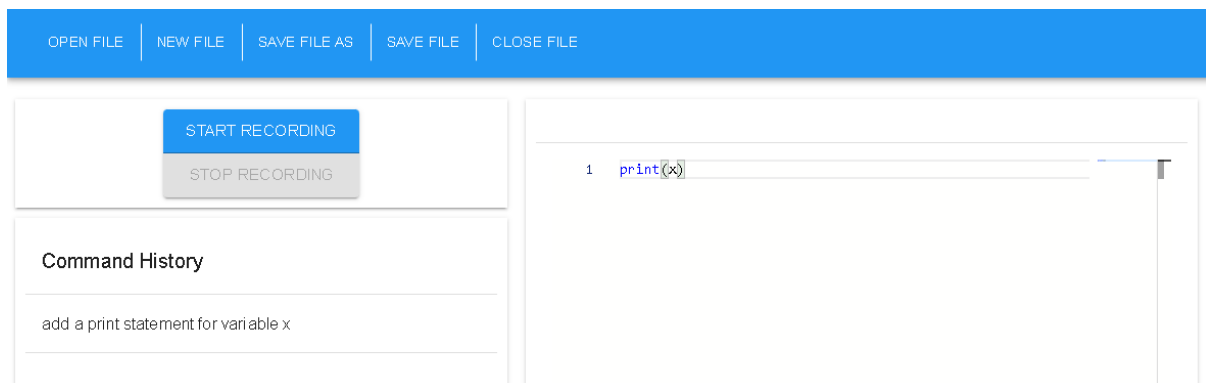
Test Case 1 – String Print Command:



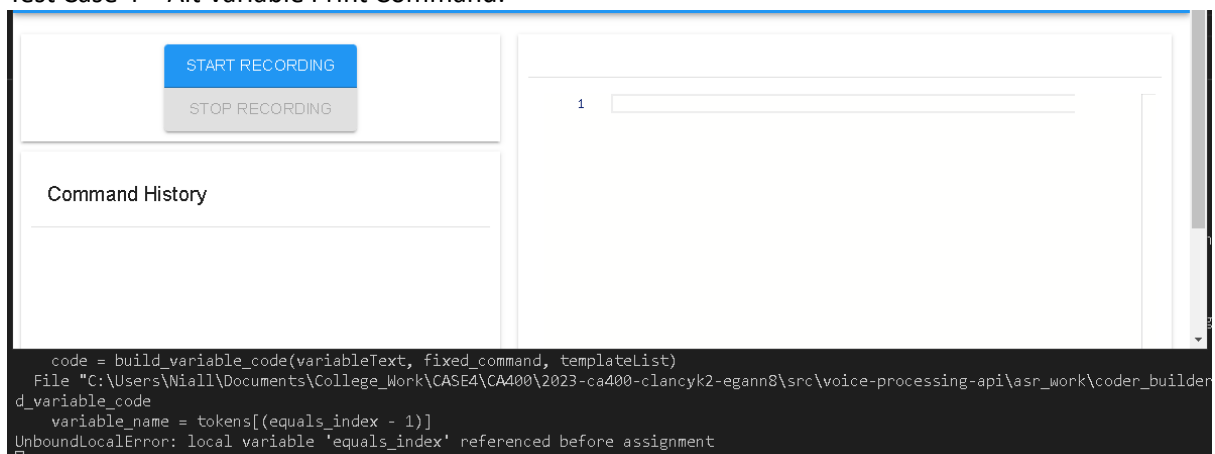
Test Case 2 – Alt String Print Command:

```
return cors_after_request(app.make_response(f(*args, **kwargs)))
File "C:\Users\Niall\.conda\envs\CA400_Flask_Environment\lib\site-packages\flask\app.py", line 244, in rv = self.dispatch_request()
File "C:\Users\Niall\.conda\envs\CA400_Flask_Environment\lib\site-packages\flask\app.py", line 265, in return self.ensure_sync(self.view_functions[rule.endpoint])(**view_args)
File "C:\Users\Niall\.conda\envs\CA400_Flask_Environment\lib\site-packages\flask_cors\decorator.py", line 44, in resp = make_response(f(*args, **kwargs))
File "C:\Users\Niall\Documents\College_Work\CASE4\CA400\2023-ca400-clancyk2-egann8\src\voice-processing-api\asr_work\coder_builder.py", line 100, in output = (indent_size * indent_depth) + build_code(command, templates)
File "C:\Users\Niall\Documents\College_Work\CASE4\CA400\2023-ca400-clancyk2-egann8\src\voice-processing-api\asr_work\coder_builder.py", line 110, in _code
    code = build_variable_code(variableText, fixed_command, templateList)
File "C:\Users\Niall\Documents\College_Work\CASE4\CA400\2023-ca400-clancyk2-egann8\src\voice-processing-api\asr_work\coder_builder.py", line 120, in d_variable_code
    variable_name = tokens[(equals_index - 1)]
UnboundLocalError: local variable 'equals_index' referenced before assignment
```

Test Case 3 – Variable Print Command:



Test Case 4 – Alt Variable Print Command:

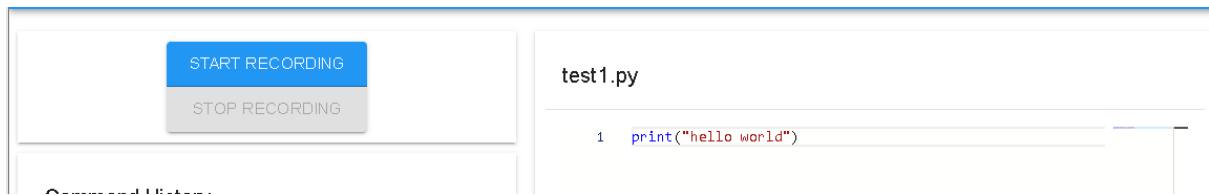


Open File Test Cases:

	Project Name	Loqui: Voice Powered Python Assistant	Test Designed By:	Niall Egan
	Functionality Name:	Open File Function	Test Designed Date:	04/05/23
			Test Executed By:	Niall Egan
			Test Executed Date:	04/05/23
Pre-condition:	A file exists that can be opened			
Dependencies:	N/A			
Test Priority:	N/A			
Test Case	Test Title	Test Summery	Test Steps	Test Data
1	Open Existing File	<ul style="list-style-type: none">• The open file dialog window was successfully opened.• Could navigate to desired file successfully.• The file contents were displayed in the editor.	<ol style="list-style-type: none">1. Click on Open File Button in the control bar.2. Navigate to file location in open file dialog box.3. Click on the file then hit the open button.	An existing python file called test1.py with the contents: print("hello world")
2	Cancel file opening process	<ul style="list-style-type: none">• The open file dialog box was successfully displayed.• The open file dialog box could be closed with no error on the UI.• Unresolved promise error in console due to being passed undefined for file path.	<ol style="list-style-type: none">1. Click on Open File Button in the control bar.2. Navigate to file location in open file dialog box.3. Click on the cancel button.	An existing python file called test1.py with the contents: print("hello world")

Open File Test Case Screenshots:

Test Case 1 – Open File:



Test Case 2 – Cancel File Opening:

