

## IT314 - Software Engineering

Lab - 5

Static Analysis

Name - Harsh Vadi Student ID - 202001143 As we can see there is a trailing whitespace at line 5, the pylint output shows the error.

Pylint also gives errors for variable naming, unnecessary parenthesis, etc.

3

pylint gives the error that a final new line is missing at line 35

```
mail.login(email,password)

text=msg.as_string()

mail.sendmail(from_addr,to_addr[i],text)

mail.quit()
```

pylint shown the error of bad indentation at line 17

```
gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)

faces = face_cascade.detectMultiScale(gray, 1.3, 5)

for (x, y, width, height) in faces:

cv2.rectangle(frame, (x, y), (x + width, y + height), (255, 0, 0), 3)

cv2.imshow("Camera", frame)

if cv2.waitKey(1) == ord('q'):
```

The argument 'event' at line 57 is not used. So pylint displays the error.

```
c.nappy_ievei = i0
55
         return
57
     def hide_happy(event):
         c.itemconfigure(cheek left, state = HIDDEN)
         c.itemconfigure(cheek_right, state = HIDDEN)
         c.itemconfigure(mouth_happy, state = HIDDEN)
         c.itemconfigure(mouth_normal, state = NORMAL)
62
         c.itemconfigure(mouth sad, state = HIDDEN)
63
         return
64
     def sad():
65
         if c.happy level == 0:
67
             c.itemconfigure(mouth happy, state = HIDDEN)
             c.itemconfigure(mouth normal, state = HIDDEN)
             c.itemconfigure(mouth_sad, state = NORMAL)
```

```
::\Users\student\Downloads\python-mini-project-main\Screenpet>python -m pylint screenpet.py
      ******** Module screenpet
screenpet.py:62:46: C0303: Trailing whitespace (trailing-whitespace)
screenpet.py:63:10: C0303: Trailing whitespace (trailing-whitespace)
screenpet.py:115:0: C0304: Final newline missing (missing-final-newline)
screenpet.py:1:0: C0114: Missing module docstring (missing-module-docstring)
screenpet.py:2:0: E0611: No name 'fillcolor' in module 'turtle' (no-name-in-module)
screenpet.py:4:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:14:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:19:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:29:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:39:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:39:0: R1711: Useless return at end of function or method (useless-return)
screenpet.py:47:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:47:0: R1711: Useless return at end of function or method (useless-return)
screenpet.py:57:0: C0116: Missing function or method docstring (missing-function-docstring)
screenpet.py:57:0: R1711: Useless return at end of function or method (useless-return) screenpet.py:57:15: W0613: Unused argument 'event' (unused-argument)
screenpet.py:65:0: C0116: Missing function or method docstring (missing-function-docstring) screenpet.py:2:0: W0611: Unused fillcolor imported from turtle (unused-import)
 our code has been rated at 7.58/10
```

Since line 46 has more than 100 characters, pylint displays the 'Line too long' warning.