

```

1. # fs sampler
2. # version: 0.1
3. # Dieses Programm dient dazu anhand von spezifischen Parametern aus der online Library Free Sound Dateien
   zu selektieren und diese in ein Verzeichnis lokal runter zu laden
4.
5. from __future__ import print_function
6. import freesound
7. import os
8. import sys
9. from oauthlib.oauth2 import BackendApplicationClient
10. from requests_oauthlib import OAuth2Session
11. import hashlib
12. import random
13. import time
14. import subprocess
15.
16. # OSC
17. from osc4py3.as_eventloop import *
18. from osc4py3 import oscmethod as oscm
19.
20. class config():
21.     """
22.     Start here to edit your config of the program
23.     """
24.     APIKEY="Ld15pPetuu7VMVOGEzgkrvTp23Iaipl0UmuszK44"
25.     OAUTHTOKEN="VegqtgKdHqbR0KwcElFha5FvC2vhhQ"
26.     FETCHDIRNAME = "fetchedSounds"
27.     COUNT = 10 #Maximale Anzahl der Sounds (-1 für unbegrenzt)
28.     PAGESIZE = 300 #Ergebnisse pro Abruf von Freesounds INT (Seitenbasiert, Seite n kann spezifiziert
   werden)
29.     DEBUG = True
30.     MINSOUNDDURATION = 1
31.     MAXSOUNDDURATION = 60
32.
33. class fsFetcher():
34.     def __init__(self):
35.         self.fsClient = freesound.FreesoundClient()
36.         self.fsClient.set_token(config.APIKEY)
37.         #programm status (True = weiter arbeiten, False = Fehler)
38.         self.state = False
39.
40.     def createDirs(self):
41.         self.path_name = os.path.join(os.getcwd(), config.FETCHDIRNAME)
42.         if config.DEBUG:
43.             print ("directory path:")
44.             print(self.path_name)
45.         try:
46.             if config.DEBUG:
47.                 print("creating dir for previews...")
48.                 os.mkdir(self.path_name)
49.         except (FileExistsError):
50.             if config.DEBUG:
51.                 print ("dir already created, skipping")
52.         except:
53.             if config.DEBUG:
54.                 print ("cannot create folder: "+self.path_name+" ! Cannot continue")
55.             return False
56.         try:
57.             if config.DEBUG:
58.                 print ("creating dir for wave files...")
59.                 os.mkdir(self.path_name+'/wav')
60.         except (FileExistsError):
61.             if config.DEBUG:
62.                 print ("dir already created, skipping")
63.         except:
64.             if config.DEBUG:
65.                 print ("cannot create folder: "+self.path_name+"/wav ! Cannot continue")
66.             return False
67.         self.state = True
68.         return True
69.

```