# zipfile

import zipfile

zipfile = zipfile.ZipFile('example.zip')

res = zipfile.namelist()

print(res)

# ['example/bacon.txt', 'example/cats/', 'example/cats/catnames.txt', 'example/cats/Tommy.jpeg']

info = zipfile.getinfo('example/bacon.txt')

print(info.file\_size) # 19

print(info.compress\_size) # 17

# extracts the zip file in current working directory

zipfile.extractall()

# extracts the zip file in a custom directory

zipfile.extractall('C:/projects/modules')

# extract a single file from zip file

zipfile.extract('example/bacon.txt', 'C:/')

**# Creating and adding to ZIP files**

# newZip = zipfile.ZipFile('new.zip', 'a') # append mode

newZip = zipfile.ZipFile('new.zip', 'w') # write mode

newZip.write('spam.txt', compress\_type=zipfile.ZIP\_DEFLATED)

newZip.close()

# This code will create a new ZIP file named 'new.zip' that has the compressed contents of 'spam.txt'.

above example 'spam.txt' is originally '3KB' after compression and adding it to zip file it is '2.7KB'