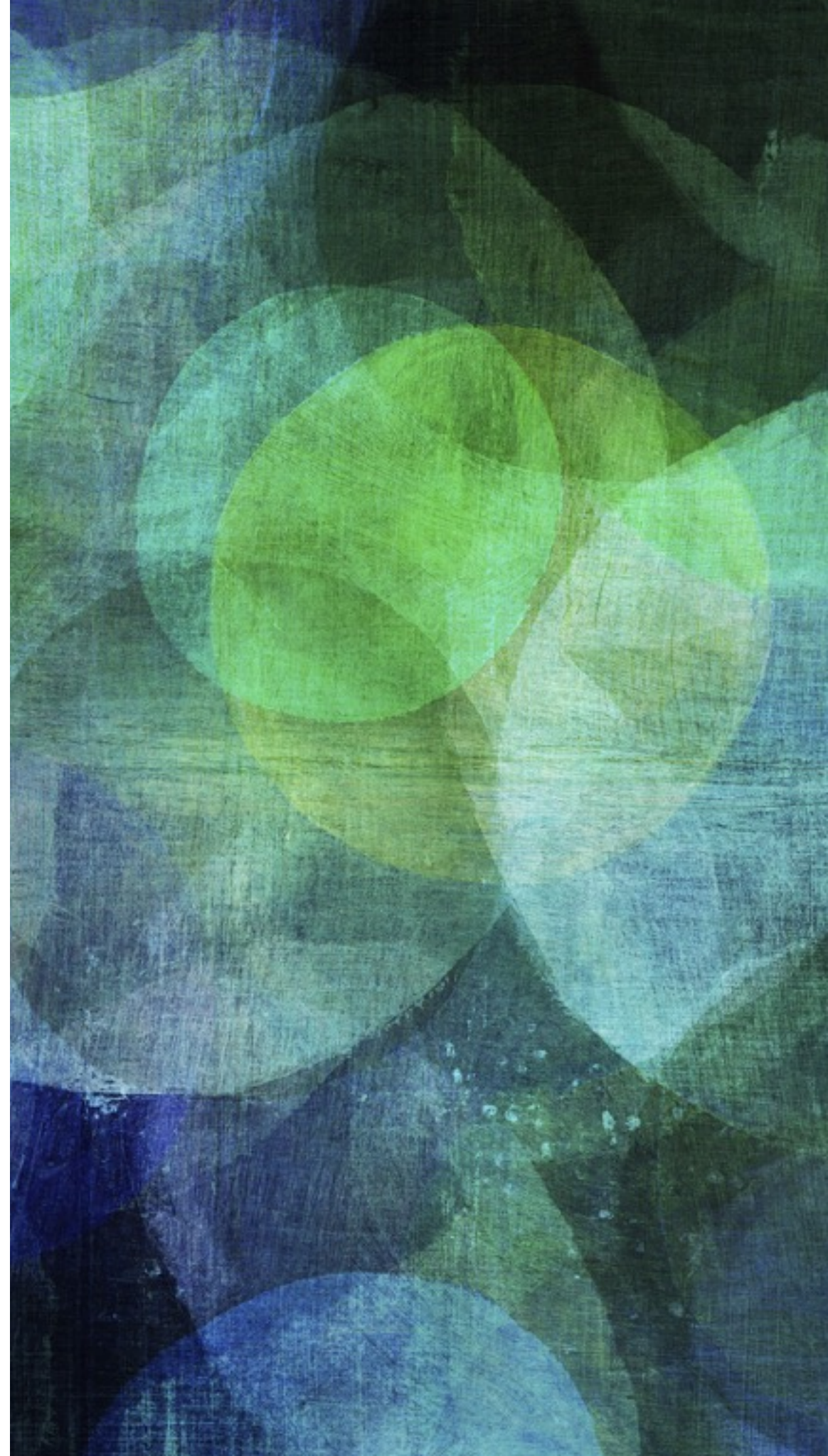# PASSWORD CRACKER

Group 1

INTRODUCTION

➤ Introduce Team Members

➤ Problem Statement

ZIPFILE

Rocard

ZIP FILE

➤ The ZIP file format is a common archive and compression standard.

➤ This module provides tools to create, read, write, append, and list a ZIP file.

➤ It can handle ZIP files that use the ZIP64 extensions (that is ZIP files that are more than 4 GByte in size).

➤ It supports decryption of encrypted files in ZIP archives, but it currently cannot create an encrypted file.
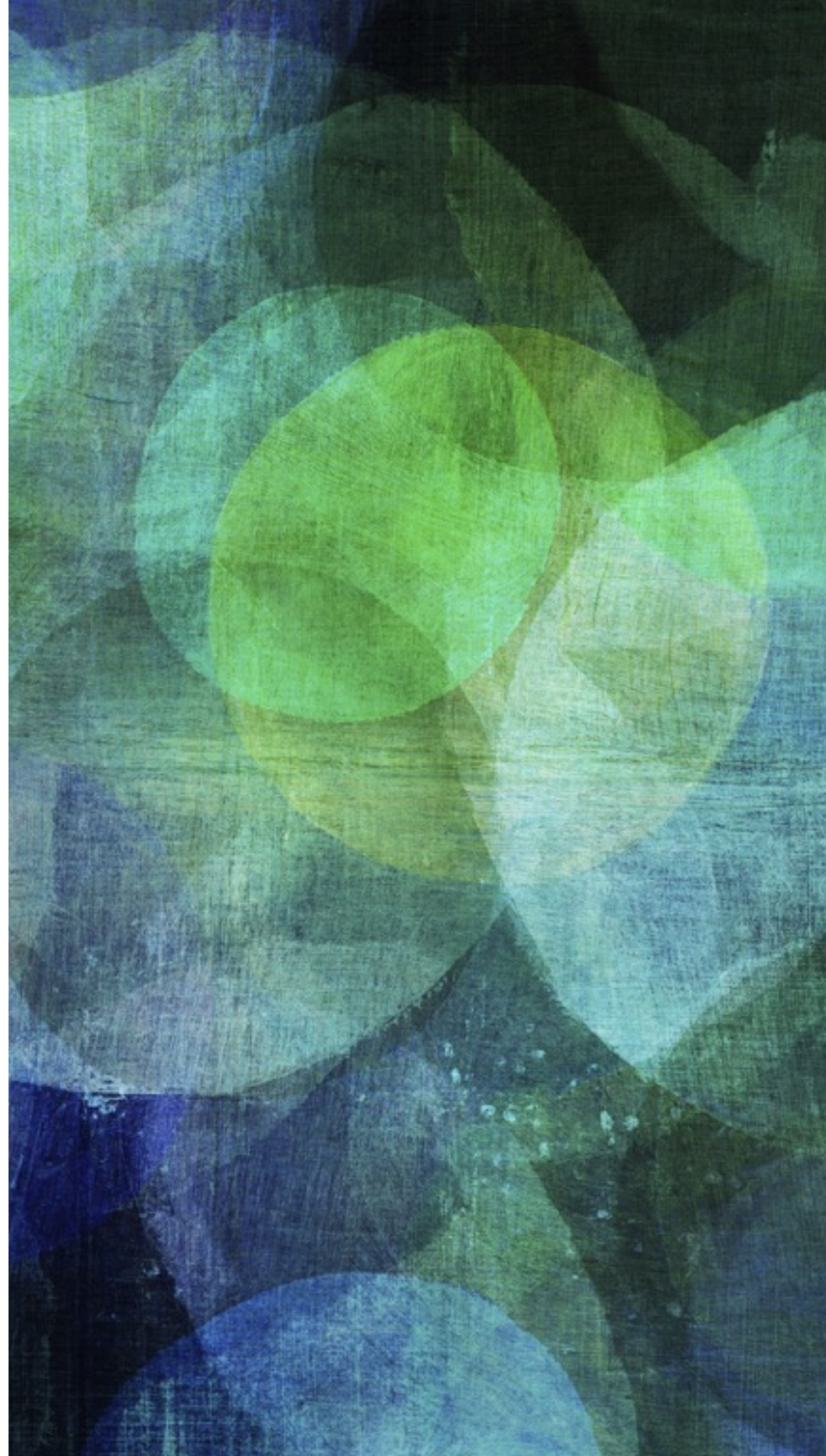
MODULE TERMS

➤ class zipfile.ZipFile

  ➤ A class for reading and writing ZIP files.

➤ class zipfile.PyZipFile

  ➤ Class for creating ZIP archives containing Python libraries.

➤ zipfile.is_zipfile(filename)

  ➤ Returns True if filename is a valid ZIP file, otherwise returns False.

ZIPFILE OBJECTS

➤ class zipfile.ZipFile(file[, mode[, compression[, allowZip64]]])

  ➤ Open a ZIP file,

  ➤ Where file can be either a path to a file (a string) or a file-like object.

  ➤ The mode parameter should be 'r' to read an existing file, 'w' to truncate and write a new file, or 'a' to append to an existing file.

  ➤ Compression is the ZIP compression method to use when writing the archive.

  ➤ If allowZip64 is True zipfile will create ZIP files that use the ZIP64 extensions when the zipfile is larger than 2 GB.

ENCRYPTION

Valdes

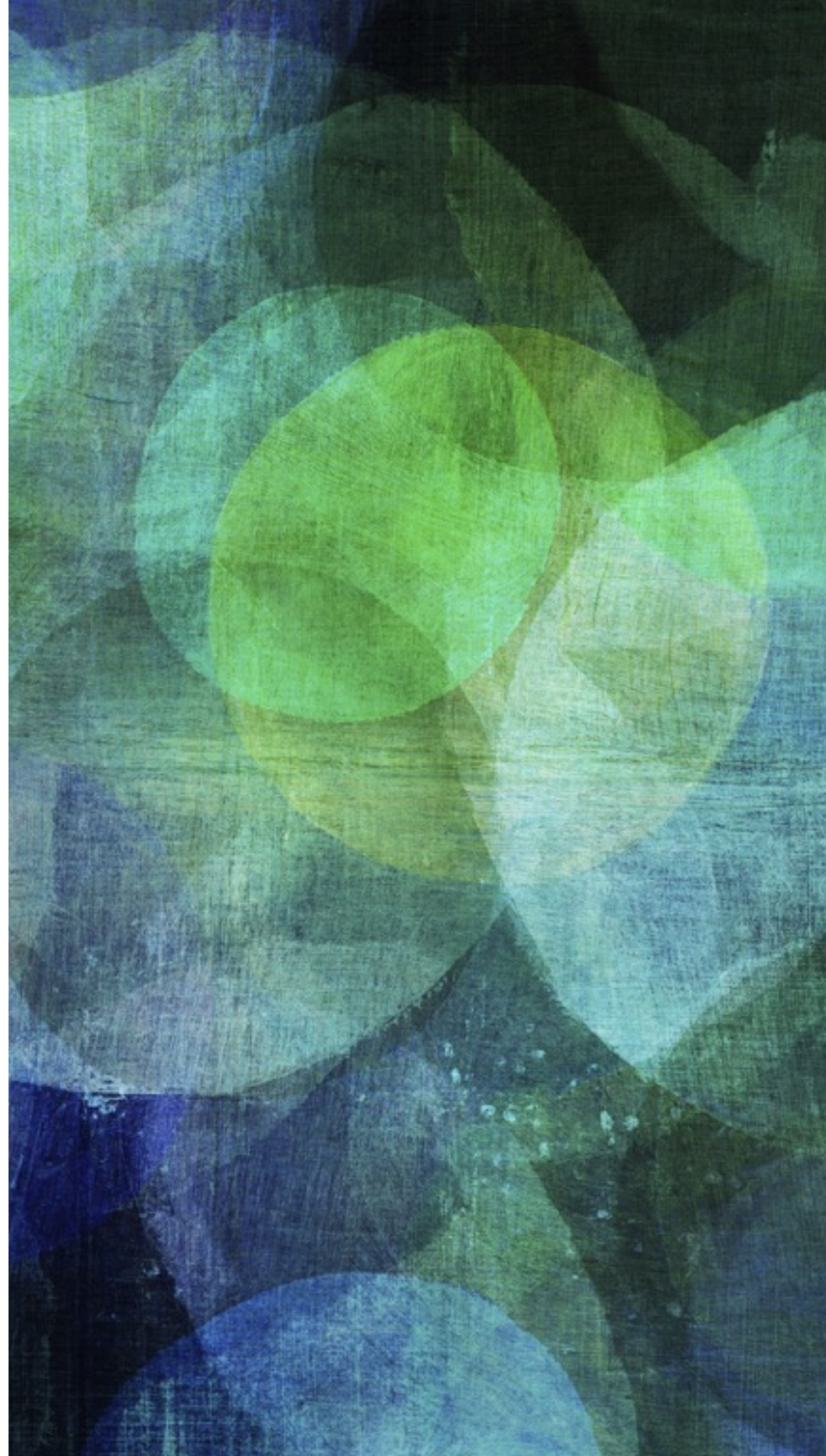# ENCRYPTION

➤ The zip file method

➤ zipfile.setPassword("passwd") present in python 2.6 can be to set "passwd" as default password to extract encrypted files.

➤ Here the –P option in linux zip file command was used to encrypt the file with a password
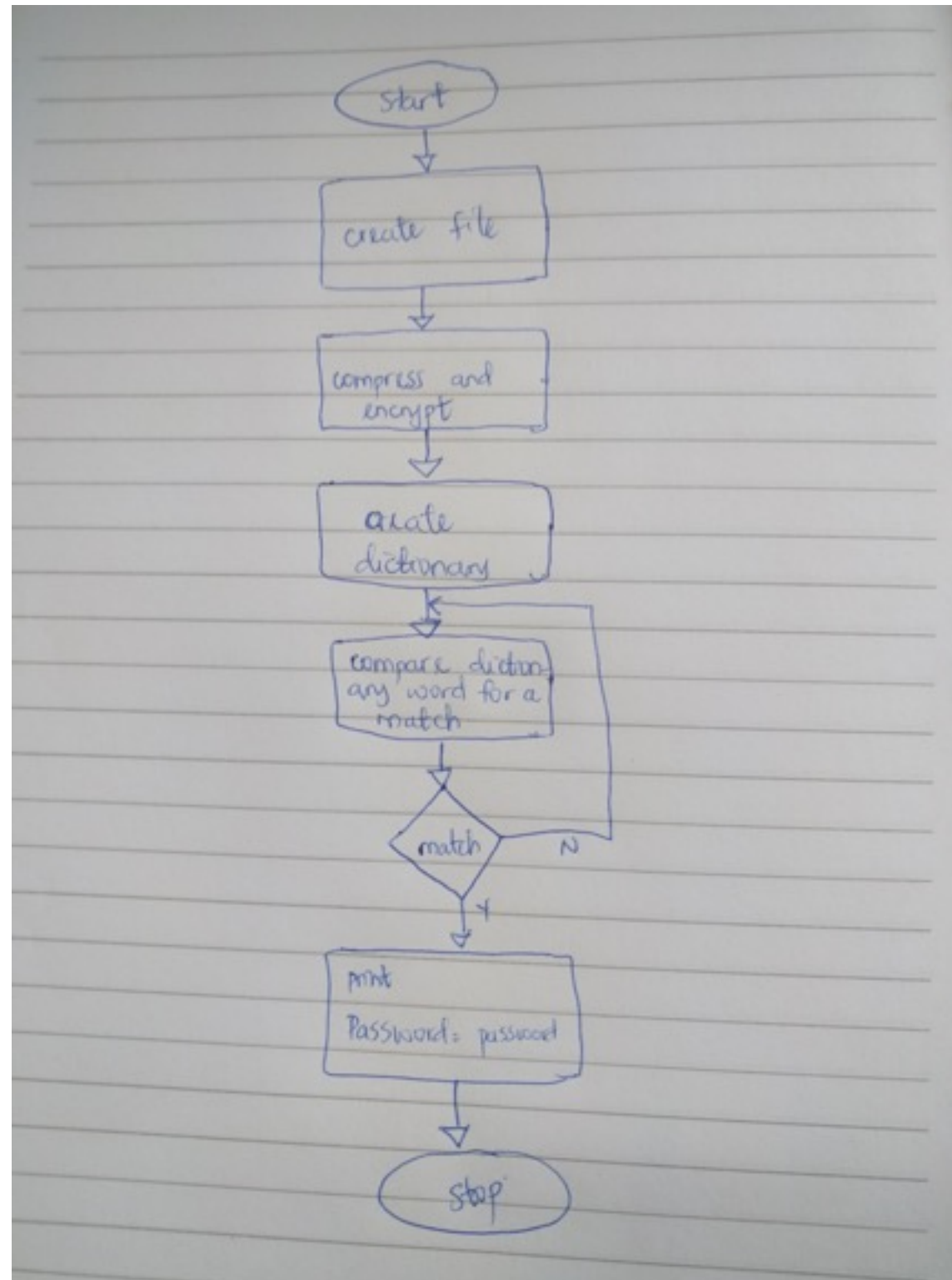
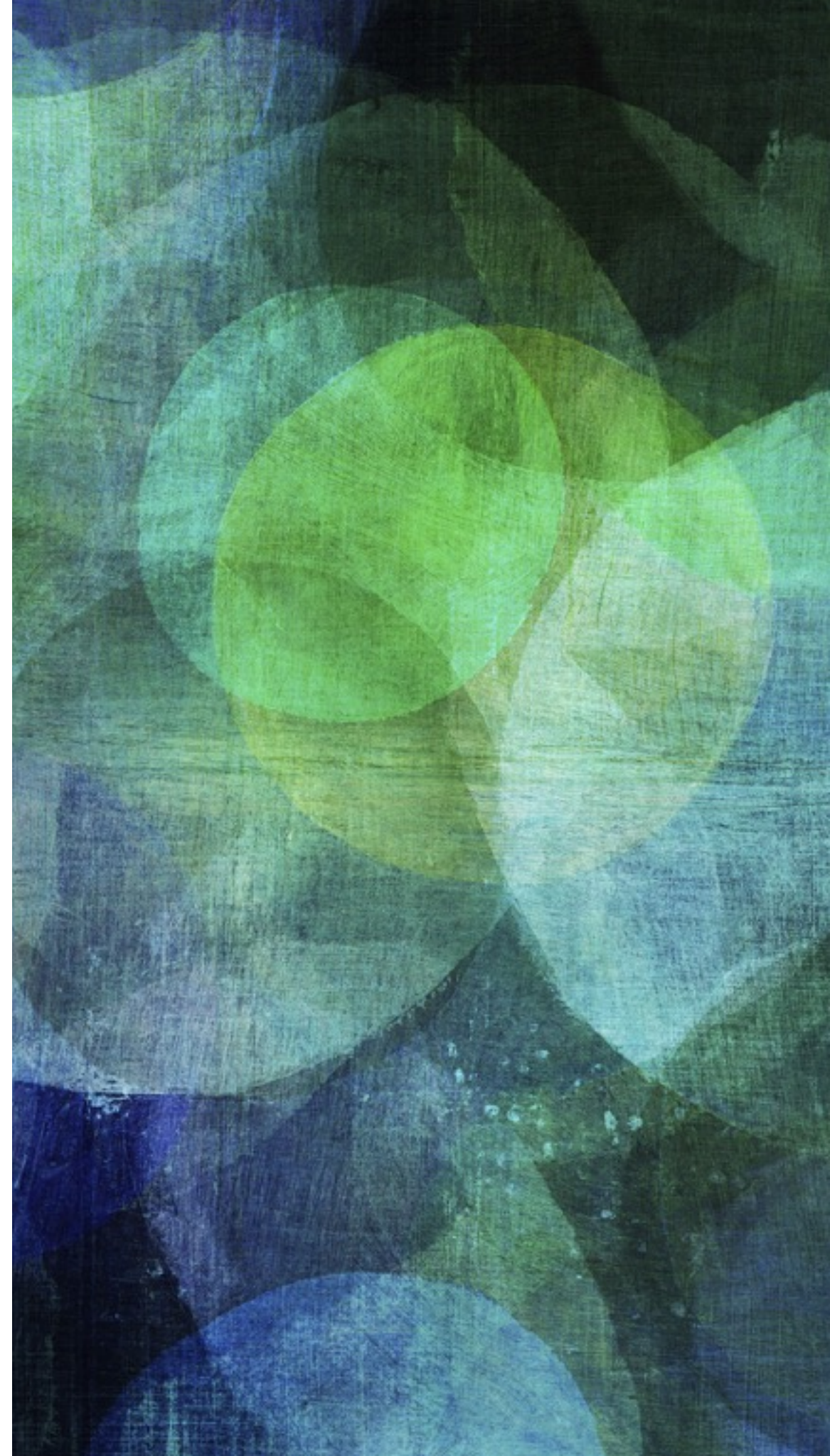➤ zip -P password filename.zip filename

ALGORITHM

Daisy

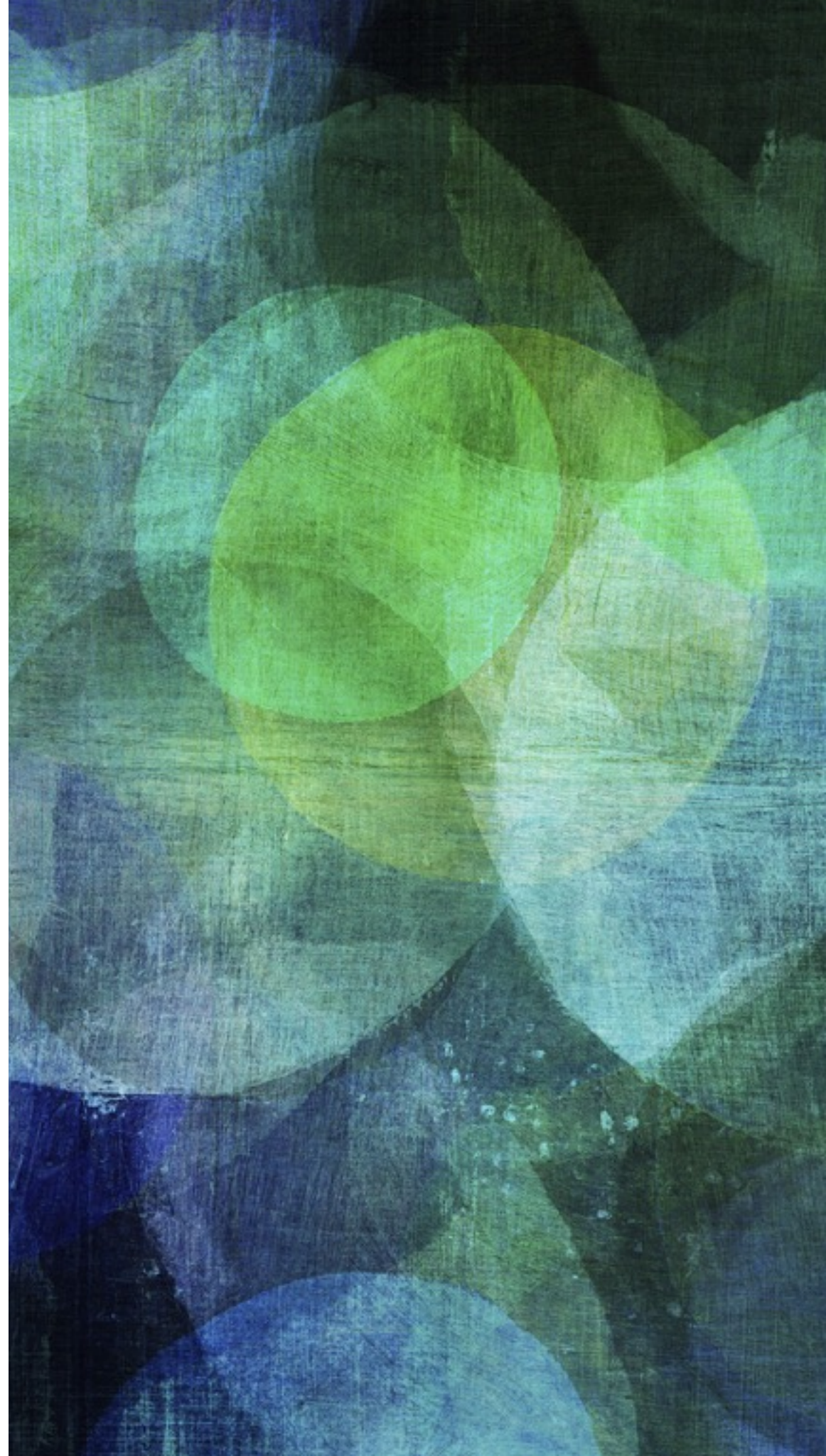# FLOW CHART

CODE RUNDOWN

Degrando

CODE

```python
import zipfile
def extractFile(zFile, password):
    try:
        zFile.extractall(pwd=password)
        return password
    except:
        return

def main():
    zFile = zipfile.ZipFile('Hello.zip')
    passFile = open('dictionary.txt')
    for line in passFile.readlines():
        password = line.strip('\n')
        guess = extractFile(zFile, password)
        if guess:
            print '[+] Password = ' + password + '\n'
            exit(0)


main()
```

DEMO

Blaise

CONCLUSION

Arnold