FEU Institute of Technology

MACHINE PROBLEM

5

Image Analyzation

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<W22>
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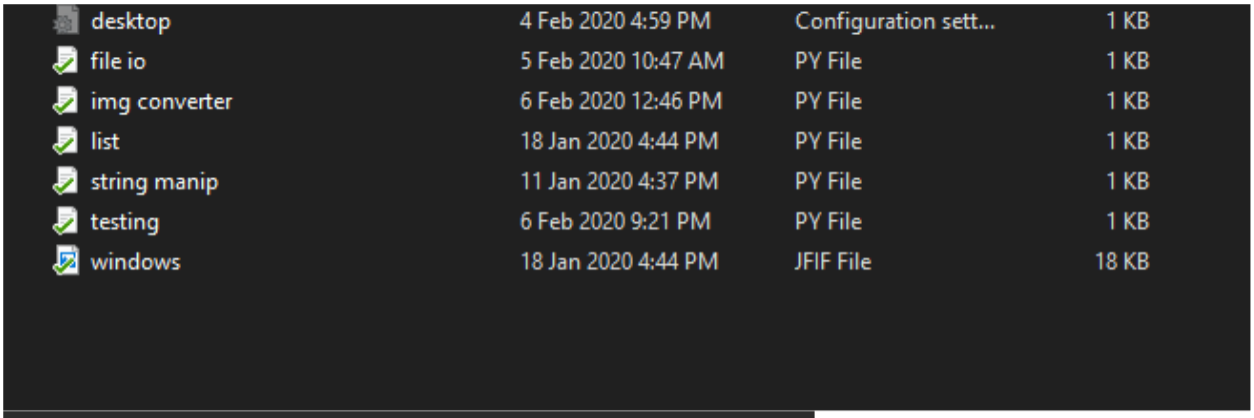
1. Create a Python application that will ask the user to load an image and provides options to convert the image in different types

2. Create a program that will read the color available on a given image

Source Code 1:

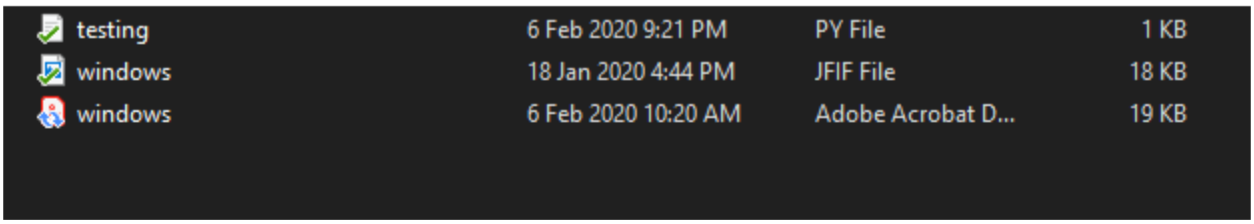
```
# Number 1
import os
from PIL import Image
try:
    des = input('Enter the name of file and the extension: ')
    im = Image.open(des)
    print('SAVE IT AS: ')
    print('1.) jpg')
    print('2.) png')
    print('3.) pdf')
    choice = int(input('Enter choice: '))
    if choice == 1:
        rgb_im = im.convert('RGB')
        rgb_im.save('windows.jpg')
        print('Conversion is Sucessful.')
    elif choice == 2:
        rgb_im = im.convert('RGB')
        rgb_im.save('windows.png')
        print('Conversion is Sucessful.')
    elif choice == 3:
        rgb_im = im.convert('RGB')
        rgb_im.save('windows.pdf')
        print('Conversion is Sucessful.')
    else:
        print('Not in the choices try again.')
except FileNotFoundError:
    print('File was not found.')
```



desktop	4 Feb 2020 4:59 PM	Configuration sett...	1 KB
file io	5 Feb 2020 10:47 AM	PY File	1 KB
img converter	6 Feb 2020 12:46 PM	PY File	1 KB
list	18 Jan 2020 4:44 PM	PY File	1 KB
string manip	11 Jan 2020 4:37 PM	PY File	1 KB
testing	6 Feb 2020 9:21 PM	PY File	1 KB
windows	18 Jan 2020 4:44 PM	JFIF File	18 KB

```
Enter the name of file and the extension: windows.jifif
SAVE IT AS:
1.) jpg
2.) png
3.) pdf
Enter choice: 3
Conversion is Sucessful.

Process finished with exit code 0
```



testing	6 Feb 2020 9:21 PM	PY File	1 KB
windows	18 Jan 2020 4:44 PM	JFIF File	18 KB
windows	6 Feb 2020 10:20 AM	Adobe Acrobat D...	19 KB

Source Code 2:

```
import os
from PIL import Image
files = os.listdir()
print(files)
img = Image.open('C:\\Users\\Justine Guillermo\\Google Drive\\PROG\\PYTHON\\Notes\\windows.jfif
pix_val = list(img.getdata())
print(pix_val)
```

Output:

```
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In [3]:
```