

Practical - 02

Aim :

Implement a program to generate and verify CAPTCHA image

Code :

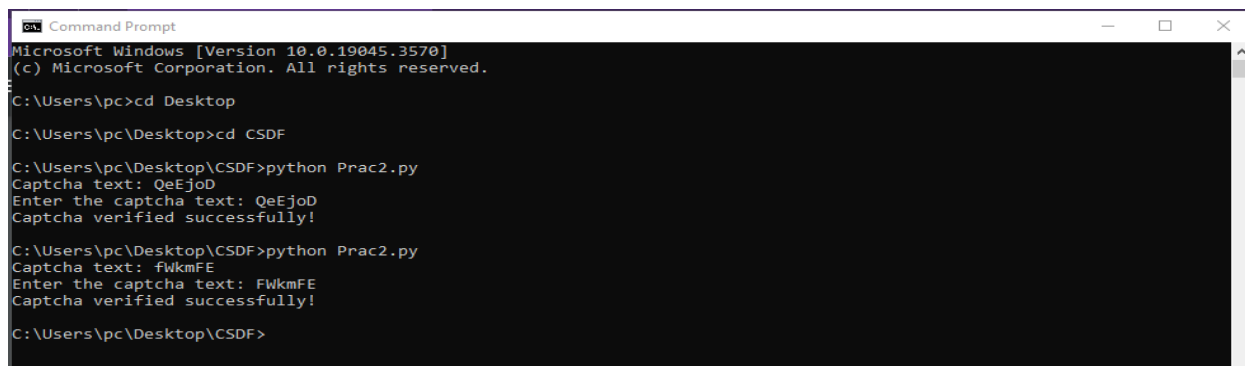
```
import random
from captcha.image import ImageCaptcha

def generate_captcha(text_length=6):
    captcha_text = ''.join(
        random.choices('abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789',
k=text_length))
    captcha_image = ImageCaptcha()
    image_data = captcha_image.generate_image(captcha_text)
    return captcha_text, image_data

def verify_captcha(user_input, captcha_text):
    return user_input.lower() == captcha_text.lower()

captcha_text, image_data = generate_captcha()
captcha_image_file = 'captcha_image.png'
image_data.save(captcha_image_file)
print(f'Captcha text: {captcha_text}')
user_input = input('Enter the captcha text: ')
if verify_captcha(user_input, captcha_text):
    print('Captcha verified successfully!')
else:
    print('Captcha verification failed.')
```

Output :



```
Command Prompt
Microsoft Windows [Version 10.0.19045.3570]
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C:\Users\pc>cd Desktop
C:\Users\pc\Desktop>cd CSDF
C:\Users\pc\Desktop\CSDF>python Prac2.py
Captcha text: QeEjoD
Enter the captcha text: QeEjoD
Captcha verified successfully!

C:\Users\pc\Desktop\CSDF>python Prac2.py
Captcha text: fWkmFE
Enter the captcha text: FWkmFE
Captcha verified successfully!

C:\Users\pc\Desktop\CSDF>
```