```python
[1]: !pip install captcha

import random
import string
from captcha.image import ImageCaptcha
from IPython.display import display, Image as IPImage

def generate_random_text(length=6):
    characters = string.ascii_letters + string.digits
    return ''.join(random.choice(characters) for _ in range(length))

def generate_and_display_captcha():
    image = ImageCaptcha(width=280, height=90)
    captcha_text = generate_random_text()
    image.write(captcha_text, 'CAPTCHA.png')
    display(IPImage('CAPTCHA.png'))
    return captcha_text

captcha_text = generate_and_display_captcha()

attempts = 3
for attempt in range(attempts):
    user_input = input(f"Attempt {attempt + 1} of {attempts} - Please enter the␣
 ↪text you see in the CAPTCHA image: ")

    if user_input == captcha_text:
        print("CAPTCHA verification successful!")
        break
    else:
        if attempt < attempts - 1:
            print("CAPTCHA verification failed. Please try again.")
            captcha_text = generate_and_display_captcha()
        else:
            print("CAPTCHA verification failed. You have used all your attempts.
 ↪")
```
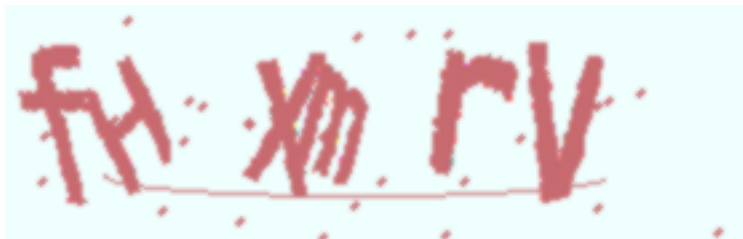
Requirement already satisfied: captcha in c:\users\prati\anaconda3\lib\site-
packages (0.6.0)
Requirement already satisfied: Pillow in c:\users\prati\anaconda3\lib\site-
packages (from captcha) (10.2.0)

Attempt 1 of 3 - Please enter the text you see in the CAPTCHA image:  fHXmrV

CAPTCHA verification failed. Please try again.

Attempt 2 of 3 - Please enter the text you see in the CAPTCHA image:  c7uyGY

CAPTCHA verification failed. Please try again.

Attempt 3 of 3 - Please enter the text you see in the CAPTCHA image:  sajGjt

CAPTCHA verification successful!

[ ]: