**Task 1, Code #1**

from deep\_translator import GoogleTranslator

message = "Welcome to this lecture Python Programmers!"

translated = GoogleTranslator(source='auto', target="zh-CN").translate(message)

print(translated)

**Task 1, Code #2**

from deep\_translator import GoogleTranslator

**import json**

message = "Welcome to this lecture Python Programmers!"

# file contains unicode characters.

**json\_data = open('languages.json', encoding="utf8")**

**data = json.load(json\_data)**

**for json\_object in data:**

**code = json\_object["code"]**

**try:**

translated = GoogleTranslator(source='auto', target=code).translate(message)

**name = json\_object["name"].ljust(22, " ") + ": "**

**print(name + translated)**

**except:**

**print(" not supported")**

**Task 2, Code #1**

import pyautogui

sc\_Width, sc\_Height = pyautogui.size() #gets the Screen Resolution

pyautogui.press(['win'])

pyautogui.press(['p','a','i','n','t'], interval=2)

pyautogui.press(['enter'])

pyautogui.moveTo(475,90,2)

pyautogui.click()

**Task 2, Code #2**

import pyautogui

sc\_Width, sc\_Height = pyautogui.size() #gets the Screen Resolution

pyautogui.press(['win']) # pressing of arrow keys

pyautogui.press(['p','a','i','n','t'], interval=2) #automating the pressing of arrow keys

pyautogui.press(['enter']) #automating the pressing of arrow keys

pyautogui.moveTo(475,90,2) # moves the mouse to the circle

pyautogui.click() # mouse click function

pyautogui.moveTo(940,90,2) # colour yellow

pyautogui.click()

pyautogui.moveTo(475,280,2) # canvas

pyautogui.mouseDown()

pyautogui.moveTo(675,480,2) # draw circle

pyautogui.mouseUp()

pyautogui.moveTo(275,90,2) # fill icon

pyautogui.click()

pyautogui.moveTo(575,380,2) # canvas

pyautogui.click()

pyautogui.moveTo(813,90,2) # colour yellow

pyautogui.click()

pyautogui.moveTo(475,90,2) # circle icon

pyautogui.click()

pyautogui.moveTo(540,340,2) # canvas

pyautogui.mouseDown()

pyautogui.moveTo(550,350,2) # canvas

pyautogui.mouseUp()

pyautogui.moveTo(640,340,2) # canvas

pyautogui.mouseDown()

pyautogui.moveTo(650,350,2) # canvas

pyautogui.mouseUp()

pyautogui.moveTo(460,90,2) # swiggly line icon

pyautogui.click()

pyautogui.moveTo(540,380,2) # canvas

pyautogui.mouseDown()

pyautogui.moveTo(650,380,2) # canvas

pyautogui.mouseUp()

pyautogui.moveTo(600,430,2) # canvas

pyautogui.click()

pyautogui.moveTo(300,90,2) # text icon

pyautogui.click()

pyautogui.moveTo(700,380,2) # canvas

pyautogui.click()

creator = "by Stewart Blakeway"

age = "aged nevermind"

pyautogui.press(list(creator) + ["enter"] + list(age), interval=2)

im2 = pyautogui.screenshot('my\_master\_piece.png') # taking screenshot of the current window and save it

**Task 3, Code #1**

from rembg import remove

import cv2

input\_path = 'cat.jpeg'

output\_path = 'cat\_2.jpeg'

input = cv2.imread(input\_path)

output = remove(input)

cv2.imwrite(output\_path, output)

**Task 4, Code #1**

from faker import Faker

fake = Faker()

print(fake.name())

**Task 4, Code #2**

from faker import Faker

fake = Faker()

names = []

for \_ in range(100):

names.append(fake.name())

for name in names:

print(name);