**Program 10**

Write a python program to sending email using SMTPlib.

**Aim**

To write a python to sending email using SMTPlib.

# Algorithm

Step1: Start the process.

Step2: Open PyCharm Community Edition 2021.3.2.

Step3: Import necessary modules:

i) SMTP lib for handling SMPT communication

ii) MIME Multipart and MIME text from email mime multipart for creating email content

Step4: Set up email parameters:

Login in G-mail ->manage account->security->switch on two-step verification->enter the app name->password will be generated automatically to work with the G-mails SMTP server.

Step5: Set SMTP server and port.

Step6: Try to send the mail by establishing connection to the SMTP server.

Step7: Print an error message if any exception occur during the sending process.

Step8: Close the SMTP connection to ensure proper cleanup.

Step9: Print success message if the mail send successfully.

Step10: Stop the process.

**Write a python program to sending email using SMTPLib.**

import smtplib

from email.mime.multipart import MIMEMultipart

from email.mime.text import MIMEText

sender\_email = "ct2124.kasc@gmail.com"

sender\_password = "kkyi ybmq pynw ryve"

recipient\_email = "ct2124.kasc@gmail.com"

message = MIMEMultipart()

message["From"] = sender\_email

message["To"] = recipient\_email

message["Subject"] = "Test Email from Python"

body = "This is a test email sent from Python."

message.attach(MIMEText(body, "plain"))

smtp\_server = "smtp.gmail.com"

smtp\_port = 587

try:

server = smtplib.SMTP(smtp\_server, smtp\_port)

server.starttls()

server.login(sender\_email, sender\_password)

text = message.as\_string()

server.sendmail(sender\_email, recipient\_email, text)

print("Email sent successfully!")

except Exception as e:

print("Error:", e)

finally:

server.quit()

output :

C:\Users\TEMP.CTIT.119\PycharmProjects\pythonProject\venv\bin\python.exe C:/Users/TEMP.CTIT.119/PycharmProjects/pythonProject/smt.py

Email sent successfully!

Process finished with exit code 0

**Result**

Thus the program for sending mail using SMTP has been executed and verified successfully.