

# Personalised Emails using Python :

GitHub Repository Link : <https://github.com/domala81/Personalised-Emails-Using-Python.git>

## Main Code Snippet :

```
17 def main():
18     message_template = read_template('template.txt')
19
20     # input the email details
21     MY_ADDRESS = input("Enter your mail id : ")
22     PASSWORD = input("Enter Password : ")
23
24     # set up the SMTP server
25     s = smtplib.SMTP(host='smtp.gmail.com', port=587)
26     s.starttls()
27     s.login(MY_ADDRESS, PASSWORD)
28
29     # reading file as context manager so not to worry about closing the file in the end.
30     with open("details.csv", 'r') as csv_file:
31         csv_reader = csv.reader(csv_file, delimiter=',')
32
33         # the below statement will skip the first row
34         next(csv_reader)
35
36         for lines in csv_reader:
37             msg = MIMEMultipart() # create a message
38
39             # add in the actual person name to the message template
40             message = message_template.substitute(PERSON_NAME=lines[0], MATH=lines[2], ENG=lines[3], SCI=lines[4])
41             print(message)
42
43             # setup the parameters of the message
44             msg['From'] = MY_ADDRESS
45             msg['To'] = lines[1]
46             msg['Subject'] = "Mid term grades"
47
48             # add in the message body
49             msg.attach(MIMEText(message, 'plain'))
50
51             # send the message via the server set up earlier.
52             s.send_message(msg)
53             del msg
54
55     # Terminate the SMTP session and close the connection
56     s.quit()
```

## details.csv :

	NAME	EMAIL ID	MATH	ENGLISH	SCIENCE
2	R***** R**	ri*****@gmail.com	90	87	97
3	Do***** N***	do*****@gmail.com	89	78	85

## template.txt :

```
1 Dear ${PERSON_NAME},
2 You have secured the following marks in your mid-term exams:
3 Math - ${MATH}
4 English - ${ENG}
5 Science - ${SCI}
```