

```
import sys
sys.path.append('../')
import requests
from playsound import playsound
from Databases.database import AuthenticationDatabase, SettingsDatabase
import smtplib
from email.mime.text import MIMEText
from email.mime.multipart import MIMEMultipart
from email.mime.base import MIMEBase
from email import encoders
```

```
"""
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```
Alert system 2.1
By Vikas Patel @ DTech
www.villageprogrammer.tech
"""
```

```
class Alert:
```

```
    __url = "https://www.fast2sms.com/dev/bulk"
```

```
    __headers = None
```

```
    def __init__(self):
```

```
        db = AuthenticationDatabase()
```

```
        self.sdb = SettingsDatabase()
```

```
        self.__headers = db.authentication_data()
```

```
        db.con.close()
```

```
        self.number = self.sdb.get_mobile()
```

```
        self.receiver = self.sdb.get_email()
```

```
        message = self.sdb.get_message()
```

```
        message = message.replace(" ", "%20")
```

```
        self.message = message
```

```
        self.__payload = "sender_id=FSTSMS&message="+self.message+
"&language=english&route=p&\
numbers="+self.number
```

```
    def set_message(self, message):
```

```
        message = message.replace(" ", "%20")
```

```
        self.message = message
```

```
    def set_number(self, number):
```

```
        self.number = str(number)
```

```
    def alertSound(self):
```

```
        # print("playing sound")
```

```
playsound("Assets/Sound/alert_sound.mp3")

def alertSMS(self):
    response = requests.request("POST", self.__url, data=self.__payload
    , headers=self.__headers)
    print(response.text)

def printd(self):
    print(self.__headers)

def send_email(self):
    file = open("Alert/loginfile.txt", "r")
    intruder_file = "INTRUDER.png"

    login = []
    for line in file:
        login.append(line)
    file.close()
    email_user = login[0] # sender account
    email_password = login[1] # sender password
    email_send = self.receiver # receiver account

    subject = "Third Eye Alert: Security Breach"

    msg = MIMEMultipart()
    msg['From'] = email_user
    msg['To'] = email_send
    msg['Subject'] = subject

    body = "Security Breach at your home"
    msg.attach(MIMEText(body, 'plain'))
    attachment = open(intruder_file, 'rb')

    part = MIMEBase('application', 'octet-stream')
    part.set_payload((attachment).read())
    encoders.encode_base64(part)
    part.add_header('Content-Disposition', "attachment; filename= " +
    intruder_file)

    msg.attach(part)
    text = msg.as_string()
    server = smtplib.SMTP('smtp.gmail.com', 587)
    print("Starting server...")
    server.starttls()
```

```
print("Logging in...")
server.login(email_user, email_password)
print("Sending Email...")
server.sendmail(email_user, email_send, text)

print("Email sent.")
server.quit()
```

```
# a = Alert()
# a.printd()
# a.alertSound()
```