Examination portal in python

Requirements:-

1. Python 3.6 or higher
2. Internet Connection (Required for sending emails)
3. Gmail SMTP Setup
4. JSON
5. Python libraries
    - Tkinter
    - Smtplib
    - Hashlib
    - Randam

Alignment of files in folder :- (exam_system)

```
exam_system/
├── main.py
├── gui.py
├── auth.py
├── exam.py
├── admin.py
├── utils/
│   └── email_utils.py
└── data/
    ├── users.json
    └── questions.json
```

First Open the "email_utils.py" file in any editor and modify

```
SENDER_EMAIL = "your_email@gmail.com"

SENDER_PASSWORD = "your_app_password"
```

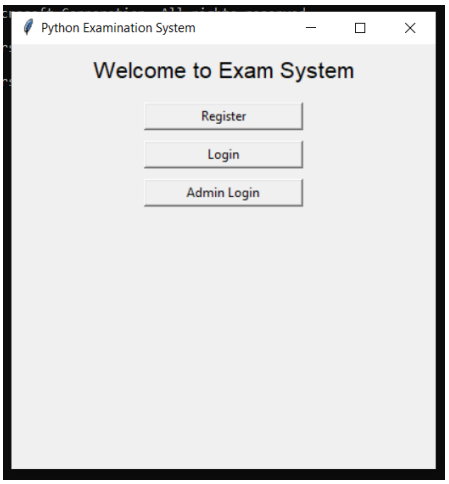
With your gmail and app password it is used to send otp's

- Go to: https://myaccount.google.com/apppasswords
- Generate a password for "GMail"
- Copy it and paste into `SENDER_PASSWORD`

And save the file

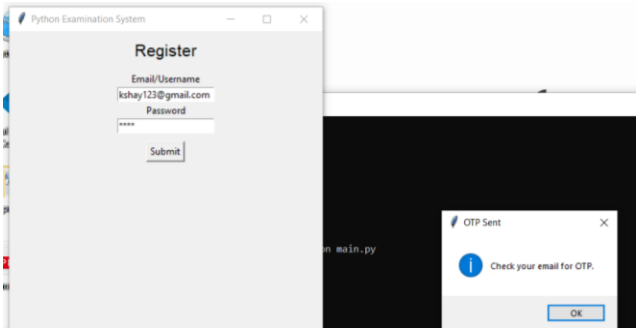
How to Run :-

- Open terminal/command prompt on your PC.
- Navigate to ‘exam_system’ folder
- Run command : python main.py
- This opens the GUI window:

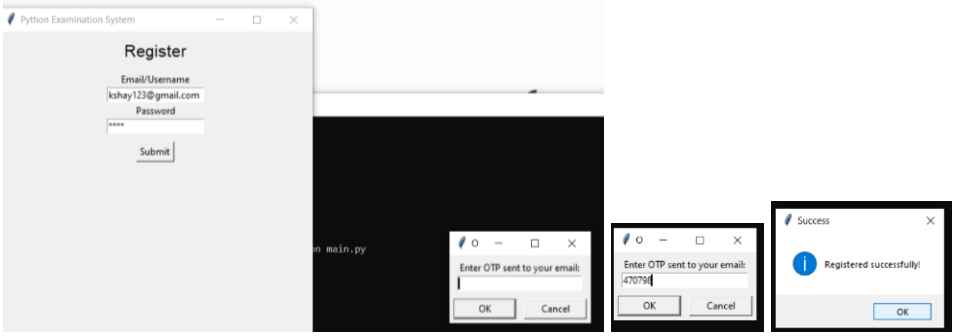


For User :-

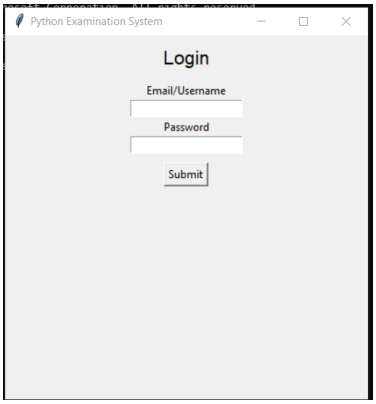
- First click on register to enroll user for exam



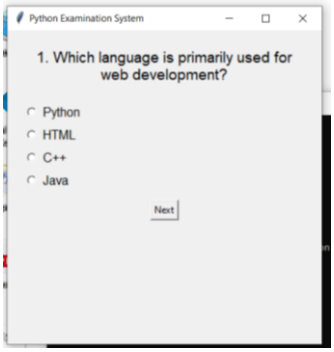
- After entering the details you will get OTP to email for valid user

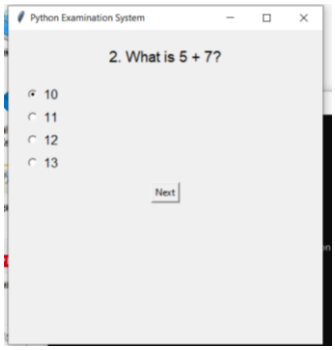


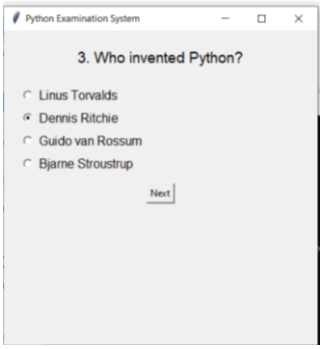
- Now click on the login give the details for the exam

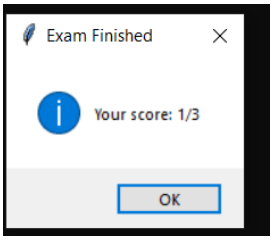


- Now it ask the questions after completing exam it will show the result





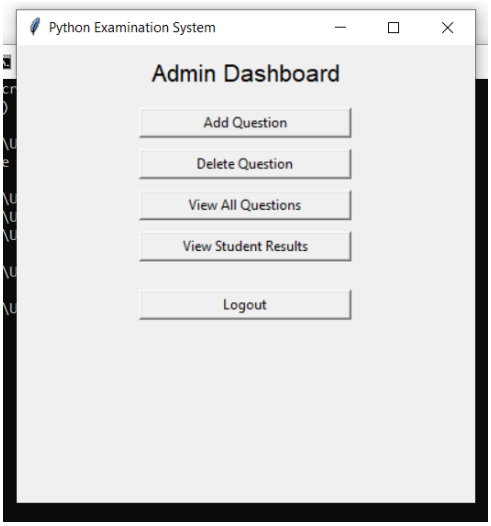




For Admin :-

Username: admin Password: admin123

- Admin can add/delete/view Questions
- View Student Scores also



For DataBase:-

- For Database used JSON files
- No need to create JSON files it create automatically while executing