



GITHUB

Github as an automation tool

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01

Objective

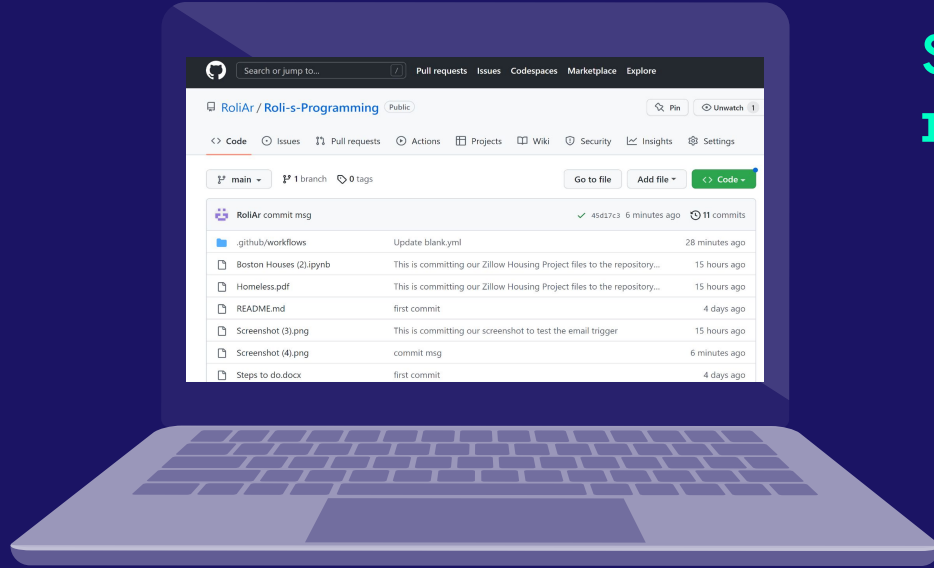


Create a YAML trigger to notify by
email when a change has been made
(new push) to our repository



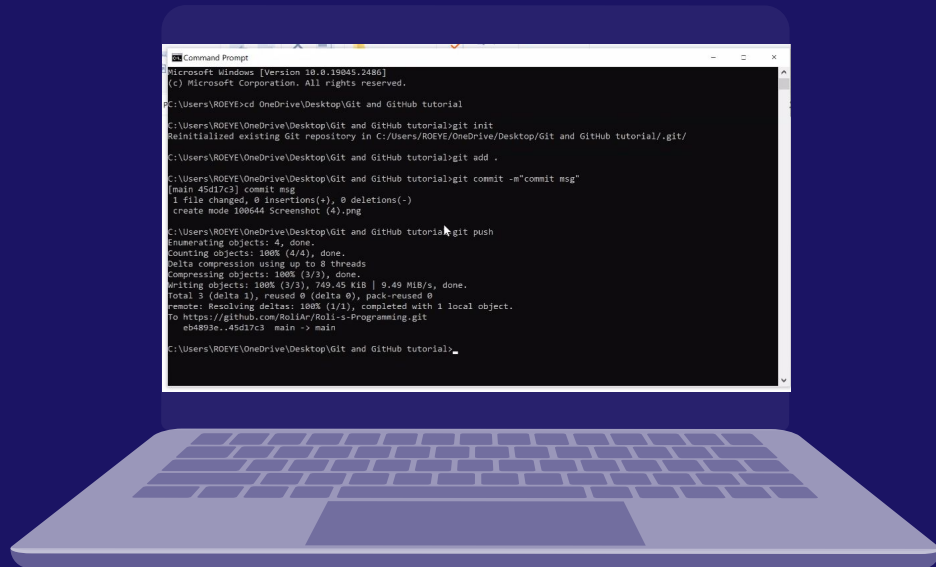
02

GitHub Steps



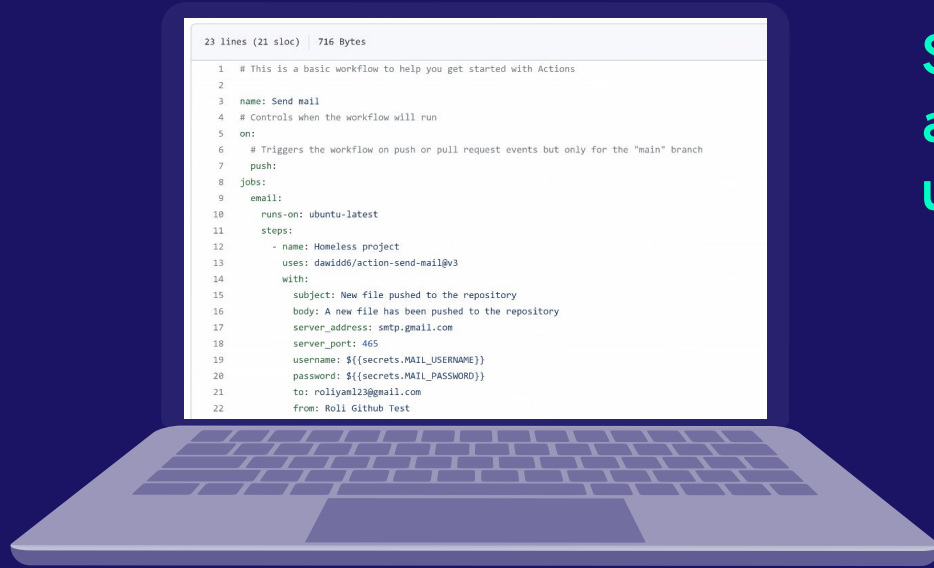
Step 1: Create a github repository





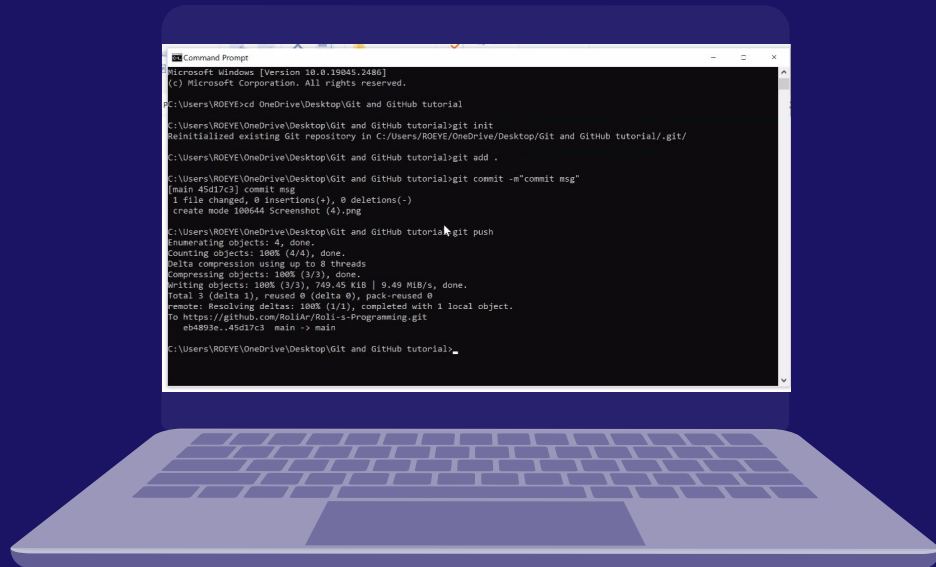
Step 2: Commit all
files to the
repository





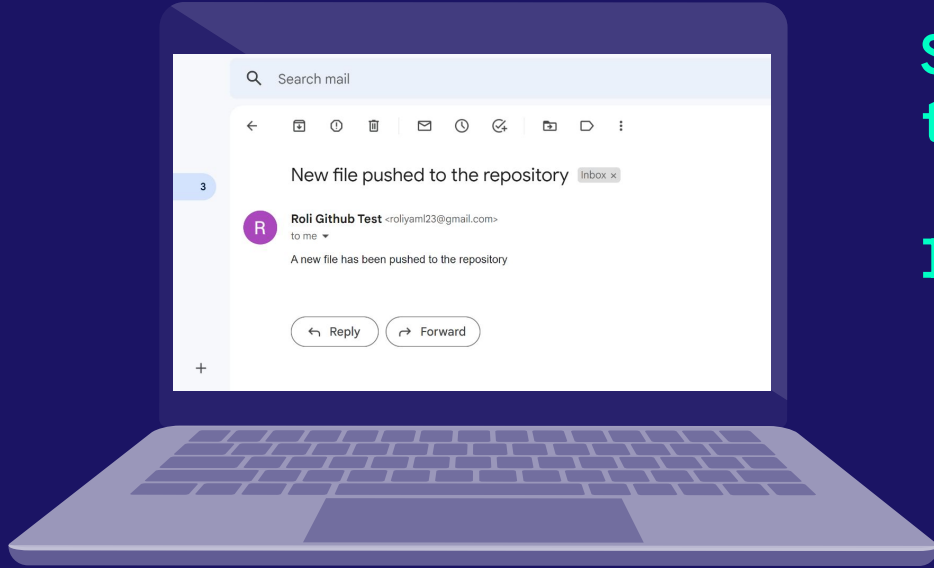
Step 3: Create a YAML file and set jobs and triggers using YAML syntax





Step 4: Commit the YAML file to the repository





Step 5: Push a file to
test the email trigger

IT WORKED!





03

Challenge Accepted :)



GOAL

Getting an email notification containing the exact date and time, as well as the outcome of the newly generated prediction for Boston housing prices.

Code

```
def send_email(subject, body):
    sender_email = "daliashagufta@gmail.com"
    receiver_email = "ali.shagufta94@gmail.com"
    password = "awauaffhtrgxzijw"

    message = f"Subject: {subject}\n\n{body}"

    server = smtplib.SMTP("smtp.gmail.com", 587)
    server.ehlo()
    server.starttls()
    server.login(sender_email, password)
    server.sendmail(sender_email,
                    receiver_email, message)
    server.quit()
```



DEMO



daliashagufta@gmail.com

8:26 PM

Code Change Detected

Dear Shagufta,

I hope this email finds you well. I wanted to let you know that there has been a change in the code. Someone ran the code and prediction of house price would be 911735.9894214334.

Please review the code to ensure that everything is running smoothly. If you have any questions or concerns, please don't hesitate to reach out to me.

time detected 2023-02-10 20:26:20

Best regards,

A snippet of the email notification that users will receive each time a new prediction is generated through the code.