Birthday_bash Tool: GitHub

INTRODUCTION- My First GitHub Tool:

Objectives:

- To learn fundamentals of Shell Scripting (learn from YouTube on any channel)
- How Tool is created using shell script and python modules
- Upload Tool using git and create README.md, LICENSE.md using readme.so

Important References:

- **Birthday_bash GitHub -** https://github.com/ctf-time/Birthday_bash
- **readme.so -** https://readme.so/editor
- **Tool requirements -** https://github.com/ctf-time/Birthday_bash/blob/main/requirements.txt
- **Git -** https://git-scm.com/downloads

Tool implemented on OS: Linux [Kali]

Tool Description: Birthday_bash

This tool is developed in shell and python. This tool helps people wish them on their birthday digitally and in an innovative way using Linux CLI. Birthday_bash wishes you using select menu that goes right from greeting your birthday by a heart prompt to playing audio for you and converting your image memories to ASCII text which is quite mesmerizing and eye catching. This tool has been developed just to add special moment on your birthday in this technical era where tech is possibly everywhere around you then why should not it be in your memorable moments.

Installation

```
git clone https://github.com/ctf-time/Birthday_bash.git
```

```
cd Birthday_bash
```

```
sudo chmod +x ./Birthday_bash
```

```
cat requirements.txt
```

```
./Birthday_bash
```

NOTE - sample images and audio files in Birthday_bash folder can be replaced with your selected images and audio files. To enable these changes visit code of each executable file located within Birthday_bash after installation

Features

- view greetings
- wishes & blessings
- view memorable images
- listen special audio
- admirations

Pre-requisites: Tools required

figlet, lolcat, fim, jp2a, python3, python turtle module, python playsound module,

To beautify texts used – figlet , lolcat, shell color codes

To beautify Images used – fim , jp2a, python turtle module,

To present audio used – python playsound module

Script/language used – Shell Script, Python

Objective 1 obtained:

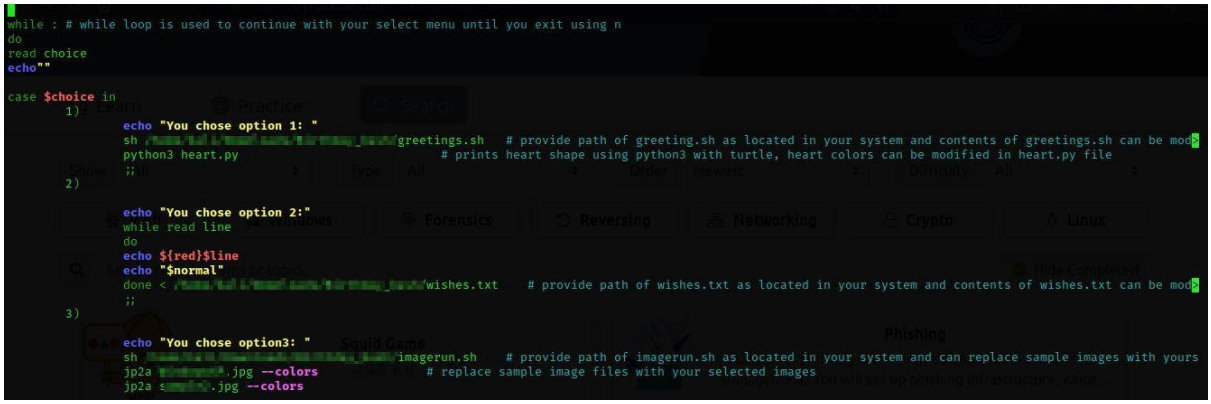
- To learn fundamentals of Shell Scripting (learn from YouTube on any channel)

I learnt from https://www.youtube.com/watch?v=eWkvvZmnBjI and my fundamentals in shell scripting got cleared

Objective 2 obtained:

- How Tool is created using shell script and python modules

For ./Birthday_bash.sh I used while loop, continue, case statements and echo along with shell color codes



For other .py files I used turtle module to create a heart prompt and used playsound module to play audio file

I used the method of running multiple scripts from single script

Objective 3 obtained:

- Upload Tool using git and create README.md, LICENSE.md using readme.so

I used Git to upload your tool on GitHub:

Steps to follow for uploading your first tool and creating new repository for the same-

1) To download git for linux and install on your system using sudo apt-get install git

2) Using terminal traverse to main folder of Birthday_bash and type git –version (checking current git version)

3) Then do git init (creates .git file for your tool of the main folder)

4) git status (to track current status of all files that will be uploaded)

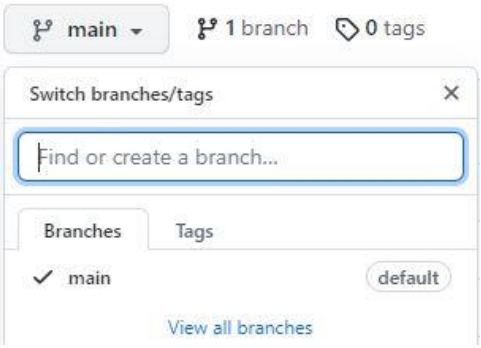
5) git add . (to add all files)

6) git add README.md (if created by yourself) or create README.md using readme.so website editor

7) git commit –m “Initial commit”

8) chech git status again

9) git branch –M main (where main is a default branch, you can create another branch by any name eg- git branch –M master)



10) Remember to add new SSH key (for those creating new repository for the first time)

ssh-keygen -o

Press enter three times for three prompted questions

cat path_of_/.ssh/id_rsa.pub

Copy the ssh key reflected after executing cat command

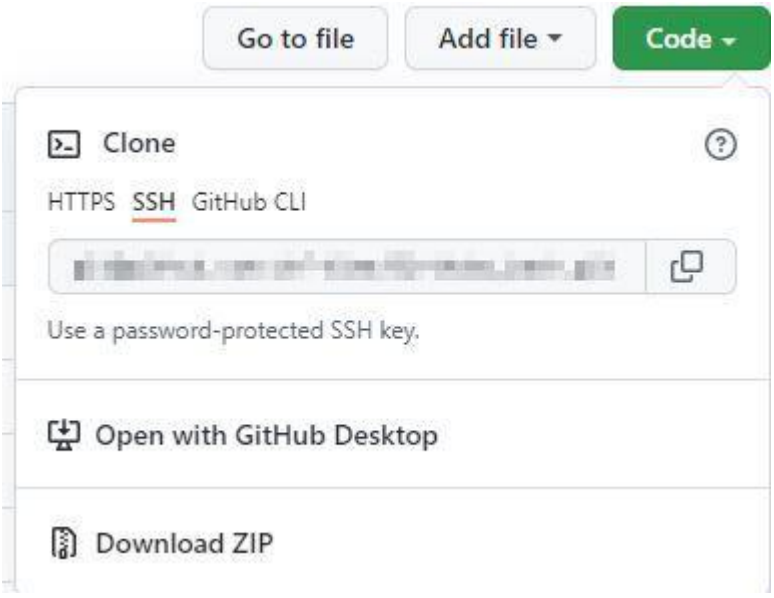
Navigate to SSH and GPG key tab in GitHub and click on 'add new ssh key'

Paste the copied ssh key in key section and provide title to the new ssh key

Click on 'add ssh key'

11) git remote add origin [add your ssh code here that can be copied from github]

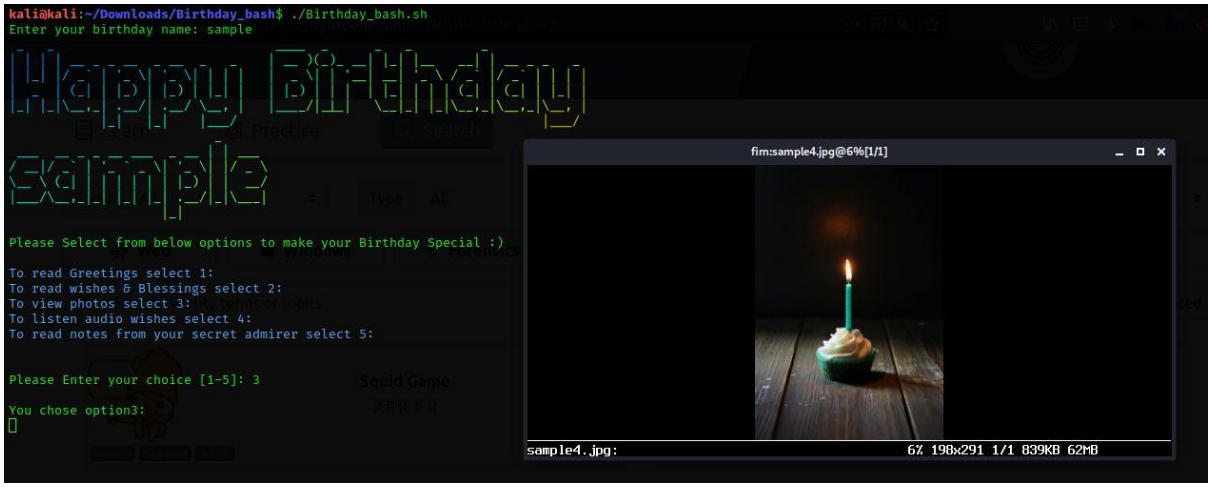
This ssh code authenticates you on GitHub



12) git push –u origin main (main has been taken as we marked main our default branch for files to get pushed into)

NOTE- while creating a new repository on github remember to add README.md and LICENSE

Tool insight after executing ./Birthday_bash:



This article is for those who wish to create their very first tool using shell script and python. Learning fundamentals make your concepts clear but making a project out of it make your concepts clearer. I did the same to learn scripting especially shell I made a fun tool to make my fundamentals strong. This is a good practice to learn stuffs even better.

-By Shefali Kumari