

Linux Terminal Genie



الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري

Arab Academy for Science, Technology & Maritime Transport

**Arab Academy for Science, Technology
& Maritime Transport**

**College of Computing and Information
Technology**

Computer Science

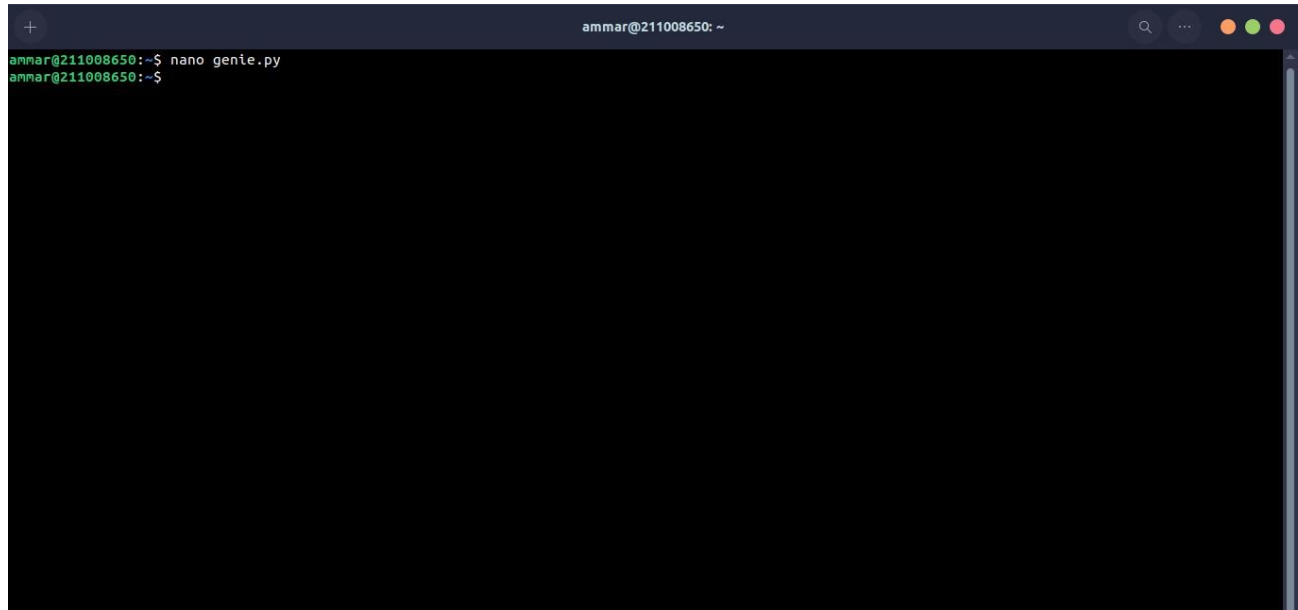
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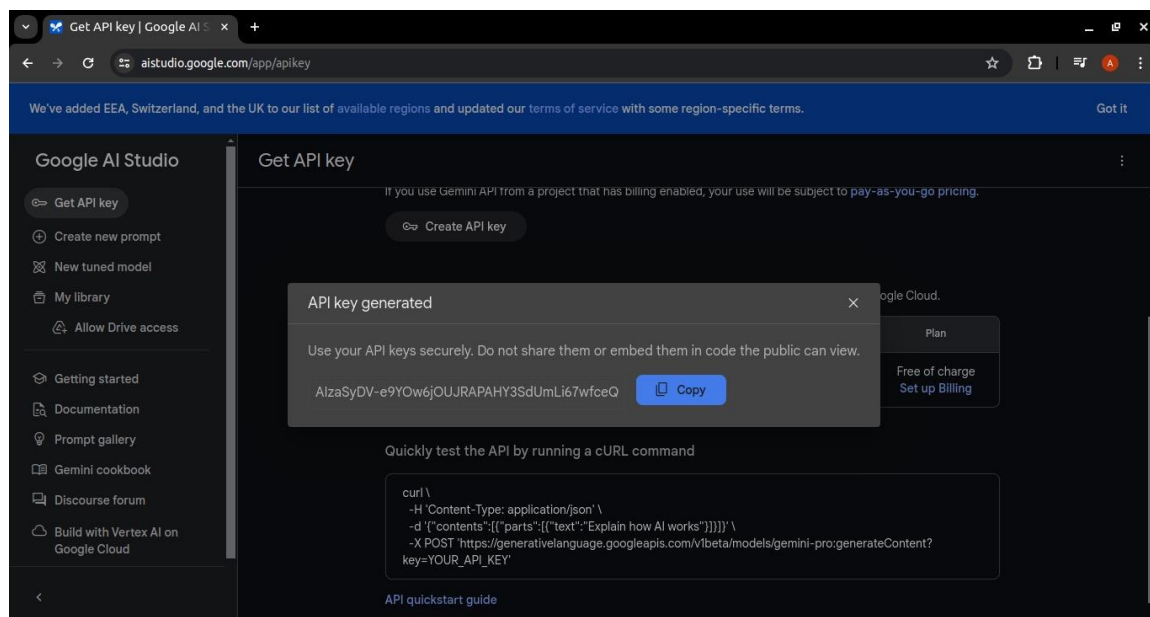
Presented to:

- Eng. Ramy Gomaa

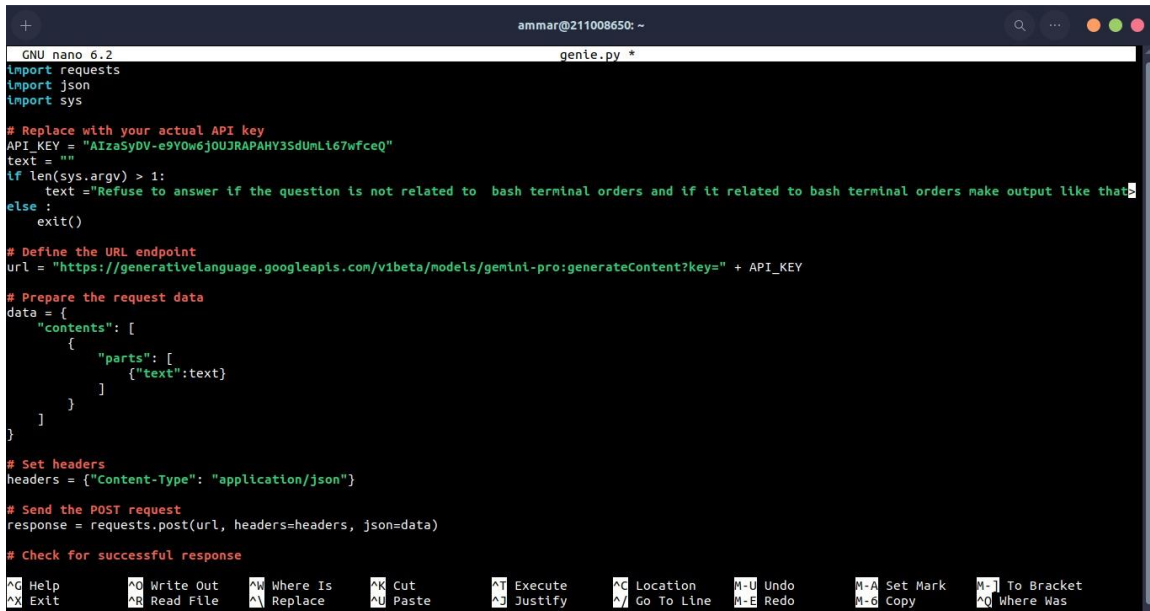
1-Creating new file 'genie.py'



2- Creating the API key from Google AI Studio



3- writing the python code and replacing the API key in the code



```
GNU nano 6.2 genie.py *
import requests
import json
import sys

# Replace with your actual API key
API_KEY = "AIzaSyDV-e9Y0w6j0U3RAPAHY3SdUmLi67wfceQ"
text = ""
if len(sys.argv) > 1:
    text = "Refuse to answer if the question is not related to bash terminal orders and if it related to bash terminal orders make output like that"
else:
    exit()

# Define the URL endpoint
url = "https://generativelanguage.googleapis.com/v1beta/models/gemini-pro:generateContent?key=" + API_KEY

# Prepare the request data
data = {
    "contents": [
        {
            "parts": [
                {"text": text}
            ]
        }
    ]
}

# Set headers
headers = {"Content-Type": "application/json"}

# Send the POST request
response = requests.post(url, headers=headers, json=data)

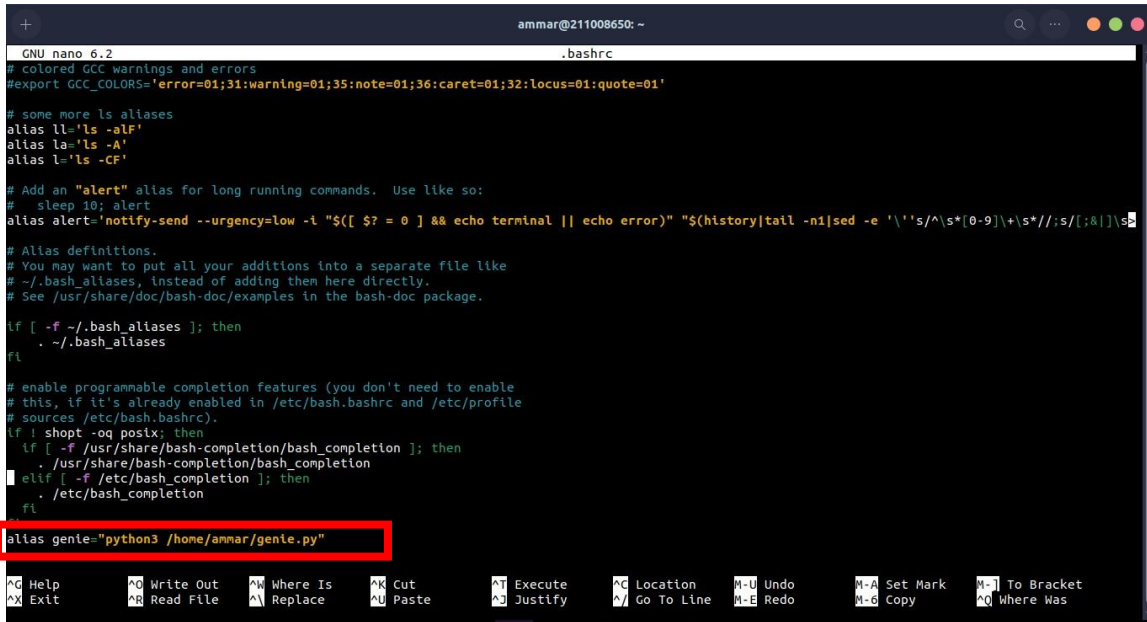
# Check for successful response
```

4- searching for .bashrc file to write alias code in to make the genie accessible



```
amm@211008650:~$ ls -a
.      .bash_logout  .cert  Documents  genie.py  .icons  Music  .profile  .ssh  .themes  .viminfo
..     .bash_history .config .dotnet   .gnome   katoolin  Pictures  Public  .sudo_as_admin_successful  .tor  .vscode
.bash_history  .bashrc      Desktop Downloads .gnupg   .local   .pkgi   snap    Templates  Videos  .wget-hsts
amm@211008650:~$ nano .bashrc
```

5- Making the genie.py Accessible via Alias



```
GNU nano 6.2 .bashrc
# colored GCC warnings and errors
#export GCC_COLORS='error=01;31:warning=01;35:note=01;36:caret=01;32:locus=01:quote=01'

# some more ls aliases
alias ll='ls -alF'
alias la='ls -A'
alias l='ls -CF'

# Add an "alert" alias for long running commands.  Use like so:
# sleep 10; alert
alias alert='notify-send --urgency=low -i "${[ $? = 0 ]} && echo terminal || echo error)" "${history|tail -n1|sed -e '\''s/^\s*[0-9]\+\s*//;s/[\&|]\s$

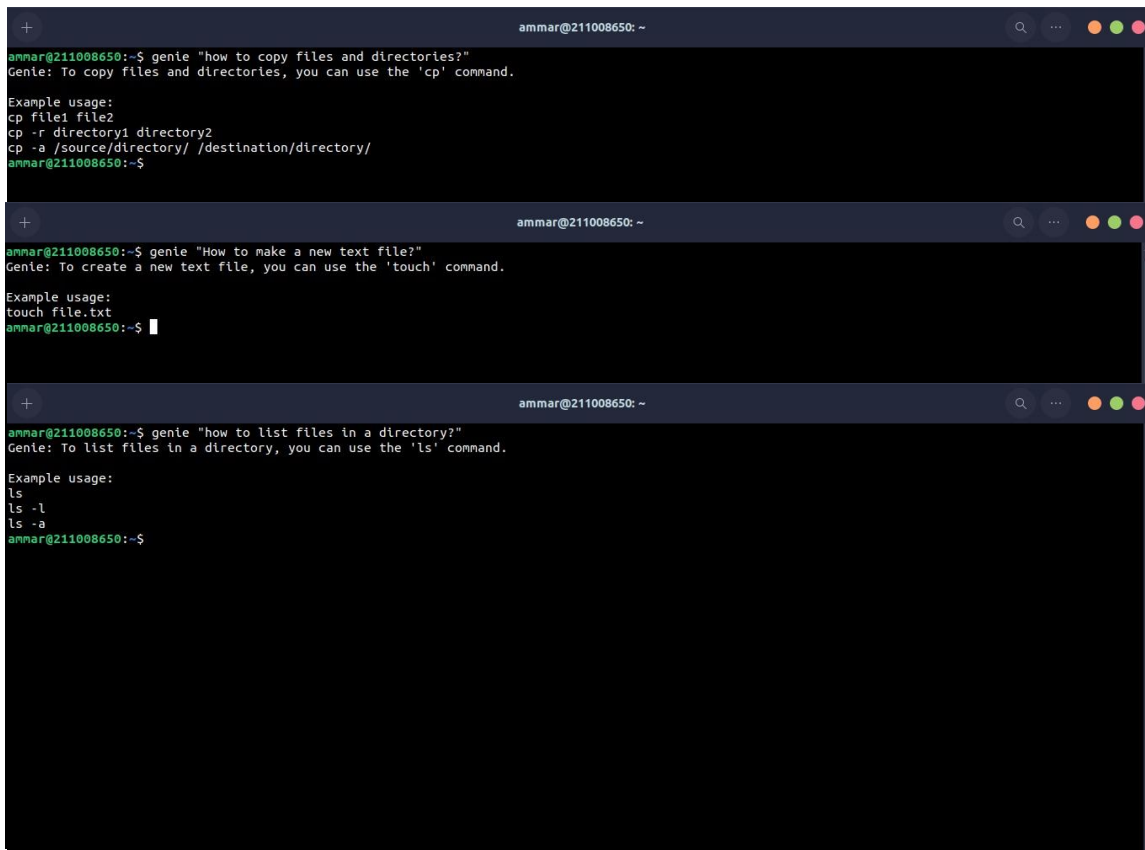
# Alias definitions.
# You may want to put all your additions into a separate file like
# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq postfix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi

alias genie='python3 /home/ammr/genie.py'
```

6- Test of command



```
ammr@211008650:~$ genie "how to copy files and directories?"
Genie: To copy files and directories, you can use the 'cp' command.

Example usage:
cp file1 file2
cp -r directory1 directory2
cp -a /source/directory/ /destination/directory/
ammr@211008650:~$

ammr@211008650:~$ genie "How to make a new text file?"
Genie: To create a new text file, you can use the 'touch' command.

Example usage:
touch file.txt
ammr@211008650:~$

ammr@211008650:~$ genie "how to list files in a directory?"
Genie: To list files in a directory, you can use the 'ls' command.

Example usage:
ls
ls -l
ls -a
ammr@211008650:~$
```

7- Code Repository

<https://github.com/3maryasserr/genie.py.git>

<https://github.com/oothmaan/gein.py>