#657587 - Identify and Remove Zombie Processes on Ubuntu Serve.

Objective: This task involves identifying and removing any zombie processes present on the Ubuntu server with hostname ubuntu.example.com. You will utilize a provided script to set up a scenario and then employ system commands to scan for and eliminate zombie processes.

Scenario: The provided script will introduce a scenario that might generate zombie processes on the system. You will then need to identify and remove these processes to maintain system health.

Constraints: - Download the script using URL:
https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task2

 - Run the script on the Ubuntu system with hostname ubuntu.example.com.

 - The root user password for ubuntu.example.com is "MyUbuntu"

Completion Criteria: - You successfully identify any zombie processes present on the system.

- Remove the identified zombie processes.

- You verify the removal of zombie processes through system commands.

- And document the whole process for future reference.

STEPS:

- ✓ Access root user.
- ✓ With 'wget', command the script toi ensure Task 2 is securely saved.
- ✓ Make the script executable by giving it execution permissions.
- ✓ Execute the script.

```
root@ubuntu:~# hostname
ubuntu.example.com
root@ubuntu:~# wget https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task2
--2024-06-18 08:05:03--  https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task2
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 2606:50c0:8000::154, 2606:50c0:80
03::154, 2606:50c0:8002::154, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|2606:50c0:8000::154|:443... conn
ected.
HTTP request sent, awaiting response... 200 OK
Length: 1085 (1.1K) [text/plain]
Saving to: 'Task2.2'

Task2.2                 100%[===================================>]   1.06K  --.-KB/s    in 0s

2024-06-18 08:05:04 (18.9 MB/s) - 'Task2.2' saved [1085/1085]

root@ubuntu:~# chmod 777 Task2.2
root@ubuntu:~# ls
mytest  mytest.c  snap  Task2  Task2.1  Task2.2
root@ubuntu:~# ./Task2.2
/root
```

- This script will be generatzombie process.
- Now we need to find that Zombie process and delete it.
- Use the command 'ps aux' to find the Zombie process.
- Then look for processes with the status Z.
- Then use command 'ps -eo pid,ppid,stat,cmd' to find 'pid' of the process.
- The zombie processes persist, consider rebooting your system or killing their parent processes using 'ppid' to ensure they're cleared out.

```
root@ubuntu:~# ps aux | grep Z
USER        PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root       6362  0.0  0.0      0     0 tty1     Z    08:05   0:00 [mytest] <defunct>
root       6365  0.0  0.0   6432   720 tty1     S+   08:05   0:00 grep --color=auto Z
root@ubuntu:~# ps -eo pid,ppid,stat,cmd | grep -w Z
   6362   6361 Z    [mytest] <defunct>
   6382   1686 S+   grep --color=auto -w Z
root@ubuntu:~# kill 6361
root@ubuntu:~# ps aux | grep Z
USER        PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root       6384  0.0  0.0   6432   720 tty1     S+   08:07   0:00 grep --color=auto Z
root@ubuntu:~# _
```

✓ Now Do Check, Zombie process deleted using ps aux command.

Done