

A dimly lit office scene with a man and a woman working on laptops. The man, wearing glasses and a black shirt, is in the background, smiling. The woman, with her hair in a bun and wearing a plaid shirt, is in the foreground, leaning over her laptop. The image has a dark overlay.

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FUN WITH LINUX



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ENTER THE ROOT DIRECTORY

- Enter the root directory (similar to admin access)

sudo su



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COWSAY AND FORTUNE

- Install cowsay

```
sudo apt-get install cowsay
```
- Install fortune

```
sudo apt-get install fortune
```

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COWSAY

- Use cowsay with the following command:

```
cowsay Hello World
```

```
cowsay <any text here>
```

```
student@kali:~$ cowsay Hello World
```

```
< Hello World >
```

```
-----  
      \      ^__^  
         (oo)\_____  
            (_____)  )\ /\  
                | |  
                | |  ---w  |  
                | |  
                | |  
student@kali:~$
```

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COWSAY

- Make the cow into the Linux mascot Tux!

```
cowsay -f tux I am Tux!
```

```
cowsay -f <cowfile> <any text>
```

```
student@kali:~$ cowsay -f tux I am Tux!
```

```
< I am Tux! >
```



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FORTUNE

- Try out the fortune command:

fortune

```
student@kali:~$ fortune
You are number 6! Who is number one?
student@kali:~$ fortune
The naked truth of it is, I have no shirt.
-- William Shakespeare, "Love's Labour's Lost"
student@kali:~$ fortune
Q:      What do Winnie the Pooh and John the Baptist have in common?
A:      The same middle name.
student@kali:~$
```


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FORTUNE AND COWSAY

- Now make the cow say your fortune using the pipe (|) command:

```
fortune | cowsay
```

The pipe command **ALLOWS TWO OR MORE COMMANDS TO BE USED** where the output of the first command is used as the input for the next command.

```
student@kali:~$ fortune | cowsay
```

```
/ You can do very well in speculation \
| where land or anything to do with dirt |
\ is concerned. /
```

```
-----
      \      ^__^
         (oo)\_______
            (__)\       )\/\
                ||----w |
                ||     ||

student@kali:~$
```

The background of the slide is a dark terminal window. It shows a file download progress for 'sdk-tools-linux-4333796.zip...'. The progress bar is at 100%. Below the progress bar, there are columns for '% Received', '% Xferd', 'Average Speed', 'Time left', 'Dload', 'Upload', and 'To'. The download speed is 4682k. There is also a memory usage bar at the bottom right. Overlaid on the left side of the terminal is the word 'WorkED' in a green and white font, and the word 'LOLCAT' in a large green font.

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LOLCAT

- There are a couple of commands you need to run before installing lolcat:

```
sudo apt-get update
```

```
sudo apt-get upgrade
```

- Install lolcat

```
sudo apt-get install lolcat
```


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COWSAY, FORTUNE, AND LOLCAT

- Try to use the lolcat command:

```
fortune | lolcat
```

```
student@kali:~$ fortune | lolcat
```

```
A Tale of Two Cities LITE(tm)  
-- by Charles Dickens
```

```
A man in love with a girl who loves another man who looks just  
like him has his head chopped off in France because of a mean  
lady who knits.
```

```
Crime and Punishment LITE(tm)  
-- by Fyodor Dostoevski
```

```
A man sends a nasty letter to a pawnbroker, but later  
feels guilty and apologizes.
```

```
The Odyssey LITE(tm)  
-- by Homer
```

```
After working late, a valiant warrior gets lost on his way home.
```

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COWSAY, FORTUNE, AND LOLCAT

- What about tux?!

```
fortune | cowsay -f tux | lolcat
```

```
student@kali:~$ fortune | cowsay -f tux | lolcat
```

```
/ In a museum in Havana, there are two  
| skulls of Christopher Columbus, "one  
| when he was a boy and one when he was a  
| man."  
\  
-- Mark Twain
```



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WHAT IF YOU MISSPELL “LS”?

- The command ls is used so often, and is typed in so quickly that it is misspelled as sl.

Install the sl command:

```
sudo apt-get install sl
```

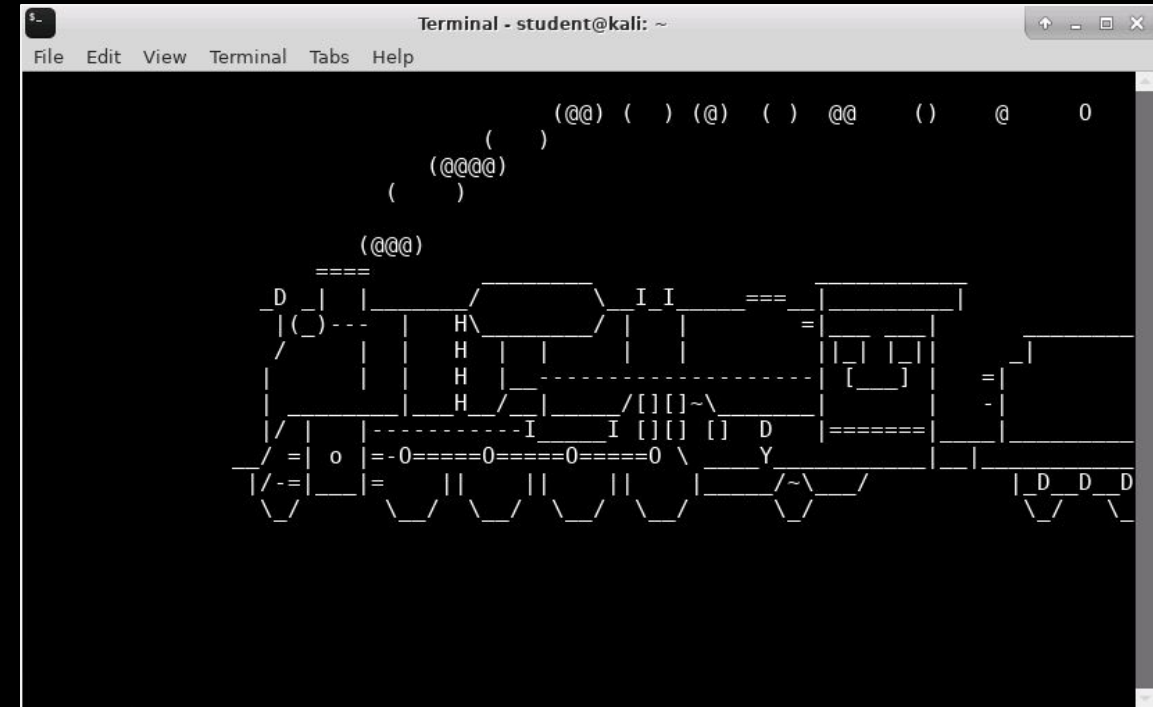
- After it's installed, use the sl command:

```
sl
```

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WHAT IF YOU MISSPELL “LS”?

- You should have seen a train go across the screen



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EXPLORE THE COMMAND MANUALS

- You can check out more information on each of your commands by checking their manual

`man <command>`

- Some other ways to edit your commands:

`cowsay -l`

`lolcat -a`

`fortune -l`

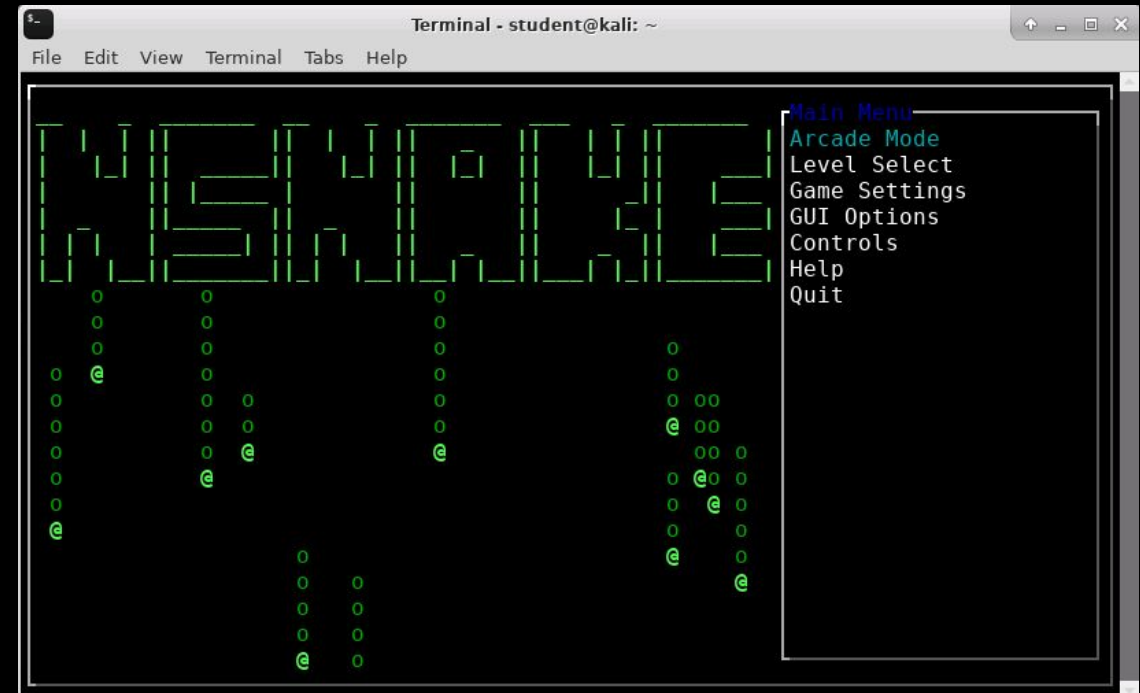
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APT REPOSITORY

- Search for the computer game snake
`sudo apt-cache search snake`
- Find the game nsnake
Notice that nsnake is a classic snake game on the terminal
- Install nsnake
`sudo apt-get install nsnake`

```
fortune-mod fortunes-min librecode0
0 upgraded, 3 newly installed, 0 to remove and 1865 not upgraded.
Need to get 655 kB of archives.
After this operation, 2,169 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

If you ever see a message like this, it's just asking if you're ok with making changes to the disk.
YOU CAN JUST TYPE "Y" AND HIT ENTER TO SAY YES.



The screenshot shows a terminal window titled "Terminal - student@kali: ~". Inside the terminal, the nsnake game is running, displaying a "Main Menu" with the following options: Arcade Mode, Level Select, Game Settings, GUI Options, Controls, Help, and Quit. The game's graphics are rendered in green ASCII art, showing a snake and its trail on a black background.



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APT REPOSITORY

- The **APT** (Advanced Package Tool) is a tool to gain **access to software repositories** for certain Linux distros.
- Search a repository with the following command:

```
sudo apt-cache search <what_to_search>
```
- Install a program from the repository with the following command:

```
sudo apt-get install <program_name>
```

A background image showing a man with glasses and a black shirt smiling, and a woman with blonde hair in a bun wearing a plaid shirt, both working at a desk with a laptop and a smartphone.

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HAVE FUN!

QUESTIONS?

THANK YOU