

🔗 Module 6 - Assignment

Problem Statement:

In your primary system you have a folder consist that consists of the dataset that we need to perform task on. Mount the folder to the Linux operating system. The dataset is stored in zipped file. Extract the file using 'zip' command. You can find the dataset in the attachment. Once done mounting perform the tasks given below:

- Write an awk program to printout only the Name of the game and Year of release
- Write an awk program to print only the Name column from the row 200 to row 210
- Write an awk program to print all the games released on the year 2005 between the rows 100 to 500

I'll be using GitBash and I have the dataset `linux_mod6_dataset.csv` in my Downloads folder

a) Print the Name of the game and Year of release

```
awk -F ',' 'NR > 1 {print $2, $4}' linux_mod6_dataset.csv
```

```
Hecti@DESKTOP-75BLCCA MINGW64 ~/Downloads
$ awk -F ',' 'NR > 1 {print $2, $4}' linux_mod6_dataset.csv | head
Wii Sports 2006
Super Mario Bros. 1985
Mario Kart Wii 2008
Wii Sports Resort 2009
Pokemon Red/Pokemon Blue 1996
Tetris 1989
New Super Mario Bros. 2006
Wii Play 2006
New Super Mario Bros. Wii 2009
Duck Hunt 1984
```

Used `head` here to make output smaller

b) Print only the Name column from row 200 to row 210

```
awk -F ',' 'NR >= 200 && NR <= 210 {print $2}' linux_mod6_dataset.csv
```

Our target:

```
199 198,Grand Theft Auto V,XOne,2014,Action,Take-Two In
200 199,Grand Theft Auto: Vice City Stories,PSP,2006,Ac
201 200,FIFA Soccer 11,PS3,2010,Sports,Electronic Arts,
202 201,Super Mario Bros.,GB,1999,Platform,Nintendo,3.4
203 202,Resident Evil,PS,1996,Action,Virgin Interactive
204 203,Tony Hawk's Pro Skater,PS,1999,Sports,Activisio
205 204,Super Smash Bros. for Wii U and 3DS,WiiU,2014,F
206 205,Warzone 2100,PS,1999,Strategy,Eidos Interactive
207 206,Spyro the Dragon,PS,1998,Platform,Sony Computer
208 207,Link's Crossbow Training,Wii,2007,Shooter,Ninte
209 208,Guitar Hero III: Legends of Rock,PS2,2007,Misc,
210 209,Fallout 3,X360,2008,Role-Playing,Bethesda Softw
211 210,Pokemon Mystery Dungeon: Explorers of Time/Expl
```

Running awk:

```
Hecti@DESKTOP-75BLCCA MINGW64 ~/Downloads
$ awk -F ',' 'NR >= 200 && NR <= 210 {print $2}' linux_mod6_dataset.csv
Grand Theft Auto: Vice City Stories
FIFA Soccer 11
Super Mario Bros.
Resident Evil
Tony Hawk's Pro Skater
Super Smash Bros. for Wii U and 3DS
Warzone 2100
Spyro the Dragon
Link's Crossbow Training
Guitar Hero III: Legends of Rock
Fallout 3
```

c) Print all the games released in the year 2005 between rows 100 to 500

```
awk -F ',' 'NR >= 100 && NR <= 500 && $4 == 2005 {print $2}' linux_mod6_dataset.csv
```

```
Hecti@DESKTOP-75BLCCA MINGW64 ~/Downloads
$ awk -F ',' 'NR >= 100 && NR <= 500 && $4 == 2005 {print $2}' linux_mod6_dataset.csv
Big Brain Academy
Madden NFL 06
God of War
Need for Speed: Most Wanted
Kingdom Hearts II
FIFA Soccer 06
World Soccer Winning Eleven 9
Namco Museum: 50th Anniversary
Tekken 5
Midnight Club 3: DUB Edition
Resident Evil 4
Star Wars: Battlefront II
LEGO Star Wars: The Video Game
Star Wars Episode III: Revenge of the Sith
Sonic Rush
WWE SmackDown! vs. RAW 2006
```