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19BEC1204

ATOM

TASK-1

AIM:

For the given Spotify CSV file use Python to read in the file and read it has a list and perform operations to get the following output, the output must be in CSV format.

SOFTWARE USED:

Python using Pycharm , pandas ,

OBJECTIVE:

To process and get the required modified csv file.

CODE:

```
import pandas as pd
from tabulate import tabulate

df = pd.read_csv(open("muse_v3.csv", encoding="utf8"))

req = df[['track', 'artist', 'seeds', 'spotify_id', 'genre']]
final = req.sample(n=25)
print(tabulate(final, headers='keys', tablefmt='psql'))
final.to_csv('modified.csv')
```

Output:

```
E:\pycharmcode\venv\Scripts\python.exe E:\pycharmcode\task1.py
```

	track	artist	seeds	spotify_id	genre
82576	Aurora and Storm	Easily Embarrassed	['spacey']	21J86L3SMek69hFXdFQSVk	psychill
4948	Let There Be Light (Demo)	Justice	['hyper']	nan	french
16491	I lenker til ragnarok	Enslaved	['grim']	0btyKixiyrXzzpYFLQoMyS	black metal
47592	Hotel Tell	The Sea and Cake	['warm', 'light']	60IHfZSgA7bWLG8pAl4Qs	post-rock
19939	Gratitude	Björk	['eerie', 'delicate']	39gkg6EdsSx66u6x7m7KR0	alternative
11366	Well Water Black (feat. Yoni Wolf of Why?)	Alias	['gloomy']	nan	electronic
34796	Calling My Name	Dragonland	['spiritual']	1Ahz73gXmKhWhVJoW4Et3k	power metal
35151	Drowned World-Substitute For Love	Madonna	['spiritual']	0beXeFEWUYYY13fYVHTfFk	pop
23208	Szał niebieskich ciat	Maanam	['lazy']	5WqIlk0h2zDFJKtvFGHE2g	rock
6429	Surf Bitches	Blood Ninjas	['manic']	2spY4ssFpjFAWoxbCBnqqs	electronic
79965	Fehlbilanz (Zuwenig und zuviel)	Udo Jürgens	['thoughtful']	2WSvDBYHhHjbcusjKCHNxm	german
28017	Piano Fighter	Warren Zevon	['sarcastic', 'sardonic', 'cynical']	2763dkbD5ttL0k3QJJKz6t	rock
18977	Microlinear	Phillip Wilkerson	['delicate']	nan	electronic
19534	Thursday	Asobi Seksu	['dreamy']	3D1C0F0PnyUIU03qdmURN0	shoegaze
37919	U Got the Power	Swiss Lips	['cheerful']	0328EN9hVRnzQ1bttna3g7	indie
36769	June Afternoon	Roxette	['uplifting']	3tSdiH7uWhSgQ67Qtj9uTr	pop
79340	Hold On to This Feeling	Sister Sledge	['tender']	0PrL0oT06sULRJsqY6n0e9	soul
14665	I Refuse	Aaliyah	['bitter']	nan	soul
68493	Hotarubi	day after tomorrow	['yearning']	nan	nan
85373	今天你要嫁给我	陶喆/蔡依林	['lively']	nan	pop
40981	Cuckold Blues	One Foot In	['humorous']	6c9kuWmE2mVrtJDwotm2P0	folk
61834	In A Decades Wake	A Fallen Theory	['technical']	nan	nan
44080	Hole in My Heart	Cyndi Lauper	['witty']	nan	pop rock
39520	Dirty Mind	The Pipettes	['fun', 'happy']	3mA3Mt9a0LrQm9jg9G6X56	indie
8709	0-Day Demons	PreEmptive Strike 0.1	['apocalyptic']	nan	dark electro

modified - Excel

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POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format. Don't s

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		track	artist	seeds	spotify_id	genre										
2	47583	Mouth of t	ADULT.	['warm']	3xKlssxZzy	electro										
3	86095	i am the le	Future of t	['rambunctious',	'rous	rock										
4	77931	Omnes am	Giacomo /	['sacred']	67Gvpakrd	classical										
5	79993	Sahara	Collective	['thoughtful']		drum and bass										
6	5030	Analog Syr	The Fitness:	['hyper']	0pnz2vZm5Vs0JgoJGepyiz											
7	37344	Burning Br	Shinedown	['uplifting']	5pdW8Ykh	rock										
8	89640	3æœ*9æ-ä	f-äy,ä,ä	['quiet']		j-pop										
9	14973	Imperfecti	Skillet	['bitter']		indie										
10	52058	Belle Of T	Dashboarc	['romantic	7jvp8DZy7	alternative										
11	23132	Narrow W	Bob Dylan	['lazy', 'sof	13I50qxul]	folk										
12	74757	Mavis	Eden	['light']	5n63mgZX	world										
13	81918	Rememb	Low	['hypnotic'	3FcyQW5€	slowcore										
14	52104	Prelude In	Sergei Rac	['romantic	7cu8brUk€	classical										
15	84314	Ghost Cha	Atari Teen	['exciting']	7Cth6NQX	digital hardcore										
16	1792	One Time	Reverend I	['angry']	3kj0CNtfff	rockabilly										
17	42812	Gift	â,æœ-çœ	['positive']		anime										
18	62039	#####	Formless	['technical']		metal										
19	15813	Gather For	Darkthrone	['cold', 'gri	6b3XqWYt	black metal										
20	18928	Tarantella	Sangue Viv	['delicate',	'passionat	folk										
21	1367	Dark Heart	Aesop Roc	['angry', 'g	6MzXoRW	hip-hop										
22	3088	Come on z	Nicki Mina	['fierce', 's	4HU8PUKV	hip-hop										
23	30741	Happy Fan	XTC	['elaborate']		rock										
24	42731	Killing Wit	Tears for F	['positive',	'sexual']	rock										
25	11187	Days 2 Cor	Glen Porte	['gloomy']	6MW1fM€	trip-hop										
26	61490	Reborn	Technical I	['technical']		drum and bass										
27																

INFERENCE –

We can use pandas to do different file handling processes which are very easy to learn and use.

RESULT –

Hence we have successfully generated different kind operations on a .