채점시 반드시 틀린부분을 체크해서 정답을 옆에 적어주세요

1. netflix_titles의 데이터가 아래와 같습니다.

|show_id|type|title|director|cast|country|date_added|release_year|rating|duration|listed_in|description
|s1|Movie|Dick Johnson Is Dead|Kirsten Johnson||United States|September 25, 2021|2020|PG-13|90 min|Documentaries|As her father nears the end of his life, 1
|s2|TV Show|Blood & Water||Ama Qamata, Khosi Ngema, Gail Mabalane, Thabang Molaba, Dillon Windvogel, Natasha Thahane, Arno Greeff, Xolile Tshabalali |s3|TV Show|Ganglands|Julien Leclercq|Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabiha Akkari, Sofia Lesaffre, Salim Kechiouche, Noureddine Farihi, Geert V;
|s4|TV Show|Jailbirds New Orleans|||September 24, 2021|2021|TV-MA|1 Season|Docuseries, Reality TV|Feuds, flirtations and toilet talk go down among the int
|s5|TV Show|Kota Factory||Mayur More, Jitendra Kumar, Ranjan Raj, Alam Khan, Ahsaas Channa, Revathi Pillai, Urvi Singh, Arun Kumar|India|September 24, 20
|s5|TV Show|Midnight Mass|Mike Flanagan|Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas, Kristin Lehman, Samantha Sloyan, Jgby Rigney, Rahul K
|s7|TW Show|Midnight Mass|Mike Flanagan|Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas, Kristin Lehman, Samantha Sloyan, Jgby Rigney, Rahul K
|s7|TW Show|Midnight Mass|Mike Flanagan|Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas, Kristin Lehman, Samantha Sloyan, Jgby Rigney, Rahul K
|s7|TW Show|Midnight Mass|Mike Flanagan|Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas, Kristin Lehman, Samantha Sloyan, Jgby Rigney, Rahul K
|s7|TW Show|Midnight Mass|Mike Flanagan|Kate Siegel, Zach Gilford, Hamish Linklater, Henry Thomas, Kristin Lehman, Samantha Sloyan, Jgby Rigney, Rahul K
|s7|TW Show|Midnight Midnight Mass|Midnight Mass|Midnight Midnight Midnig

다음과 같이 데이터를 만들고자 한다면 어떻게 해야 하는지 빈 칸을 채우세요.

description	listed_in	duration	rating	release_year	date_added	country	cast	director	title	type	show_id	
As her father nears the end of his life, filmm	Documentaries	90 min	PG-13	2020	September 25, 2021	United States	NaN	Kirsten Johnson	Dick Johnson Is Dead	Movie	s1	0
After crossing paths at a party, a Cape Town t	International TV Shows, TV Dramas, TV Mysteries	2 Seasons	TV- MA	2021	September 24, 2021	South Africa	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban	NaN	Blood & Water	TV Show	s2	1
To protect his family from a powerful drug lor	Crime TV Shows, International TV Shows, TV Act	1 Season	TV- MA	2021	September 24, 2021	NaN	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi	Julien Leclercq	Ganglands	TV Show	s3	2
Feuds, flirtations and toilet talk go down amo	Docuseries, Reality TV	1 Season	TV- MA	2021	September 24, 2021	NaN	NaN	NaN	Jailbirds New Orleans	TV Show	s4	3
In a city of coaching centers known to train I	International TV Shows, Romantic TV Shows, TV	2 Seasons	TV- MA	2021	September 24, 2021	India	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K	NaN	Kota Factory	TV Show	s5	4

답:

netflix = pd.read_csv("data/netflix_titles.csv", sep="|", index_col=0)
netflix.head()

2~9. 아래와 같이 pandas를 활용하여 데이터를 불러왔습니다.

hou ti	anic = pd	read_c .read_	d sv("data/kc_l csv("data/ti csv("data/ne	tanic.csv")	p=" ", in	dex_co	1=0)										
ti	anic.head	()																
	pclass su	rvived			name	sex	age	sibsp	parch	ticke	t fare	cabin	embarked	boat	body		home.c	lest
0	1	1	Alle	n, Miss. Elisa	abeth Walton	female	29	0	0	24160	211.3375	B5	S	2	?		St Louis,	МО
1	1	1	Allison	n, Master. H	ludson Trevor	male	0.9167	1	2	113781	151.55	C22 C26		11	?		ontreal, P sterville,	
)	1	0	Alli	ison, Miss. H	Helen Loraine	female	2	1	2	113781	151.55	C22 C26		?	?		ontreal, F sterville,	
3	1	0	Allison, Mr. H	ludson Josh	ua Creighton	male	30	1	2	113781	151.55	C22		?	135		ontreal, P sterville,	
4	1	0	Allison,		on J C (Bessie /aldo Daniels)	female	25	1	2	113781	151.55	C22 C26		?	?		ontreal, F sterville,	
101	ıses.head()																
	i	d	date	price	bedrooms	bathroom	s sqft	living	sqft_lot	floor	s waterfroi	nt view	grade	sqft_a	above sqft_bas	ement	yr_built	yı
)	712930052	0 2014	11013T000000	221900.0	3	1.0	0	1180	5650	1.	0	0 0	7		1180	0	1955	į
P	641410019	2 2014	11209T000000	538000.0	3	2.2	5	2570	7242	2.	0	0 0	7		2170	400	1951	
2	563150040	0 2015	0225T000000	180000.0	2	1.0	0	770	10000	1.	0	0 0	6		770	0	1933	į
3	248720087	5 2014	11209T000000	604000.0	4	3.0	0	1960	5000	1.	0	0 0	7		1050	910	1965	j
1	195440051	0 2015	50218T000000	510000.0	3	2.0	0	1680	8080	1.	0	0 0	8		1680	0	1987	j
net	flix.head	()																
	show_id	type	title	directo	r.	cast	cour	ntry	date_ado	led r	elease_year	rating	duration		listed_in		descr	iptic
)	s1	Movie	Dick Johnson Is Dead			NaN		ited ates	Septem 25, 20		2020	PG-13	90 min		Documentaries		er father end of h	
	s2	TV Show	Blood & Water	Nañ	Ama Qam N Ng Mabalane	gema, Gail		outh	Septem 24, 20		2021	TV- MA	2 Seasons		International TV , TV Dramas, TV Mysteries		crossing a party, a To	
	s3	TV Show	Ganglands	Julier Leclerco	Gotoa	ajila, Tracy is, Samuel uy, Nabi	P	NaN	Septem 24, 20		2021	TV- MA	1 Season		Crime TV Shows, International TV Shows, TV Act	pow	To prote family f erful dru	rom
	s4	TV Show	Jailbirds New Orleans	NaN	4	NaN	1	NaN	Septem 24, 20		2021	TV- MA	1 Season	Docus	eries, Reality TV		euds, flirt d toilet t down	alk (
4	s5	TV Show	Kota Factory	Nañ		yur More, Ira Kumar, . Alam K	lr	ndīa	Septem 24, 2		2021	TV- MA	2 Seasons		International TV vs, Romantic TV Shows, TV		In a aching cown to tr	ente

2. houses 데이터 내에서 가장 높은 판매가를 출력하세요.

답: houses.price.max()

3. 아래와 같이 출력되도록 하세요.

	id	price	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	view	condition	grade
count	2.161300e+04	2.161300e+04	21613.000000	21613.000000	21613.000000	2,161300e+04	21613.000000	21613.000000	21613.000000	21613.000000	21613.000000
mean	4.580302e+09	5.400881e+05	3.370842	2.114757	2079.899736	1.510697e+04	1.494309	0.007542	0.234303	3.409430	7.656873
std	2.876566e+09	3.671272e+05	0.930062	0.770163	918.440897	4.142051e+04	0.539989	0.086517	0.766318	0.650743	1.175459
min	1.000102e+06	7.500000e+04	0.000000	0.000000	290.000000	5.200000e+02	1.000000	0.000000	0.000000	1.000000	1.000000
25%	2.123049e+09	3.219500e+05	3.000000	1.750000	1427.000000	5.040000e+03	1.000000	0.000000	0.000000	3.000000	7.000000
50%	3.904930e+09	4.500000e+05	3.000000	2,250000	1910.000000	7.618000e+03	1.500000	0.000000	0.000000	3.000000	7.000000
75%	7,308900e+09	6.450000e+05	4.000000	2.500000	2550.000000	1.068800e+04	2.000000	0.000000	0.000000	4.000000	8.000000
max	9.900000e+09	7.700000e+06	33.000000	8.000000	13540.000000	1.651359e+06	3.500000	1.000000	4.000000	5.000000	13.000000

답: houses.describe()

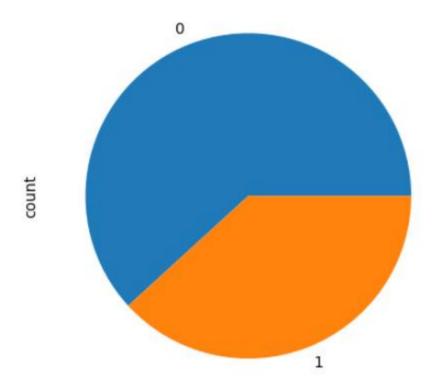
4. 타이타닉 탑승자 중 가장 연장자 순서대로 7명을 출력하도록 하는 코드입니다. 빈칸을 채우세요.

oldest_	passe	ngers = tit	anic.nlargest(7, 'age')											
oldest_	passe	ngers												
F	class	survived	name	sex	age	sibsp	parch	ticket	fare	cabin	embarked	boat	body	home.des
14	1	1	Barkworth, Mr. Algernon Henry Wilson	male	80.0	.0	0	27042	30	A23	S	В	?	Hessle, York
61	1	1	Cavendish, Mrs. Tyrell William (Julia Florence	female	76.0	1	0	19877	78.85	C46	S	6	7	Little Onn Hal Staff
1235	3	0	Svensson, Mr. Johan	male	74.0	0	0	347060	7.775	?	S	?	?	
9	1	0	Artagaveytia, Mr. Ramon	male	71.0	0	0	PC 17609	49.5042	?	С	?	22	Montevideo Urugua
135	1	0	Goldschmidt, Mr. George B	male	71.0	0	0	PC 17754	34,6542	A5	С	?	?	New York, N
727	3	Ō	Connors, Mr. Patrick	male	70.5	0	0	370369	7.75	?	Q	?	171	1
81	1	0	Crosby, Capt. Edward Gifford	male	70.0	1	ĩ	WE/P	71	B22	S	?	269	Milwaukee, W

5. 타이타닉 탑승자 전체의 생존여부 비율을 나타낸 그래프입니다. 빈칸을 작성하세요.

titanic.survived.value_counts().plot(kind="pie")

<Axes: ylabel='count'>



6. houses데이터에서 방이 10개 이상인 데이터를 아래와 같이 불러오도록 빈 칸을 채우세요.

	id	date	price	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	view		grade	sqft_above	sqft_basement	yr_buil
8757	1773100755	20140821T000000	520000.0	11	3.00	3000	4960	2.0	0	0	57.0	7	2400	600	1918
13314	627300145	20140814T000000	1148000.0	10	5.25	4590	10920	1.0	0	2		9	2500	2090	2008
15161	5566100170	20141029T000000	650000.0	10	2.00	3610	11914	2.0	0	0	***	7	3010	600	1958
15870	2402100895	20140625T000000	640000.0	33	1.75	1620	6000	1.0	0	0		7	1040	580	1947
19254	8812401450	20141229T000000	660000.0	10	3.00	2920	3745	2.0	0	0		7	1860	1060	1913

7. titanic 데이터에서 사망한 여성 데이터를 추출합니다. 아래 빈칸을 채우세요.

women = titanic.sex == 'female' death = titanic.survived == 0 titanic[women & death] pclass survived ticket fare cabin embarked boat body sex age sibsp parch name 113781 151.55 Allison, Miss. Helen Loraine female C26 Cheste 113781 151.55 female Waldo Daniels) Cheste PC 17531 0 31.6792 105 Evans, Miss, Edith Corse female 0 A29 Nev PC 17595 Paris, France 169 Isham, Miss. Ann Elizabeth female 28.7125 C49 0 Straus Mrs. Isidor (Rosalie Ida Blun), female 221,7792 286 63 Nev 17483 1273 0 Vander Planke, Miss. Augusta Maria female 345764 Vander Planke, Mrs. Julius (Emelia 1276 345763 18 Vestrom, Miss. Hulda Amanda 7.8542 S 1279 female 350406 Adolfina 328 2665 14.4542 1304 Zabour, Miss. Hileni female 14.5 1305 Zabour, Miss. Thamine female 0 2665 14.4542

8. 수변에 위치하고 가격이 500000미만인 집 정보를 추출합니다. 아래 빈칸을 채우세요.

답: houses[(houses["waterfront"] == 1) & (houses["price"] < 500000)]

	id	date	price	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	view	•••
264	2123039032	20141027T000000	369900.0	1	0.75	760	10079	1.0	1	4	310
1168	3523029041	20141009T000000	290000.0	2	0.75	440	8313	1.0	1	3	
1949	1922039062	20150420T000000	480000,0	2	1.50	1008	26487	1.0	1	4	
3829	8550001515	20141001T000000	429592.0	2	2.75	1992	10946	1.5	1	4	
6102	222029026	20140917T000000	340000.0	2	0.75	1060	48292	1.0	1	2	-
8277	221029019	20150428T000000	400000.0	3	2.50	2090	32718	2.0	1	4	
8450	121039042	20150313T000000	425000.0	3	2,75	3610	107386	1.5	1	3	-
1556	2013802030	20140911T000000	357000.0	3	2.00	2460	53882	1.0	1	4	; •••
4827	2423029009	20140617T000000	465000,0	2	2,00	1494	19271	2.0	1	4	-
6570	2923039243	20141113T000000	340000.0	4	1.00	1200	11834	1.0	1	3	
8275	2781600195	20141117T000000	285000.0	1	1.00	1060	54846	1.0	1	4	
8848	7631800110	20140918T000000	380000.0	3	2.50	1980	17342	2.0	1	4	
9002	5216200090	20140616T000000	385000.0	2	1.00	830	26329	1.0	1	3	

9. titanic 데이터에서 생존한 자들 중 동행가족의 인원수가 가장 많은 순서대로 데이터를 정렬하는 코드입니다. 빈칸을 채우세요.

답: titanic[titanic["survived"] == 1].sort_values("acco_family", ascending= False)

	pclass	survived	name	sex	age	sibsp	parch	acco_family	ticket	fare	cabin	embarked	boat	body	home.dest
641	3	1	Asplund, Master. Edvin Rojj Felix	male	3	4	2	6	347077	31,3875	?	s	15	?	Sweden Worcester, MA
643	- 3	1	Asplund, Miss. Lillian Gertrud	female	5	4	2	6	347077	31.3875	?	S	15	?	Sweden Worcester, MA
646	3	Ť	Asplund, Mrs. Carl Oscar (Selma Augusta Emilia	female	38	1	5	6	347077	31.3875	7	S	15	?	Sweden Worcester, MA
625	3	1	Andersson, Miss. Erna Alexandra	female	17	4	2	6	3101281	7.925	?	s	D	?	Ruotsinphyhtaa, Finland New York, NY
112	1	Ĩ	Fortune, Miss. Ethel Flora	female	28	3	2	5	19950	263	C23 C25 C27	S	10	?	Winnipeg, MB
355	***			***	399	***		1.00		***	***				
1236	3	1	Svensson, Mr. Johan Cervin	male	14	0	0	0	7538	9.225	?	5	13	?	?
1233	3	1	Sundman, Mr. Johan Julian	male	44	0	0	0	STON/O 2. 3101269	7.925	?	S	15	?	?
1232	3	1	Sunderland, Mr. Victor Francis	male	16	0	0	0	SOTON/OQ 392089	8.05	?	S	В	?	?
1228	3	1	Stranden, Mr. Juho	male	31	0	0	0	STON/O 2. 3101288	7.925	?	s	9	?	?
1223	3	1	Stanley, Miss. Amy Zillah Elsie	female	23	0	0	Ō	CA. 2314	7.55	?	S	C	?	7

500 rows × 15 columns