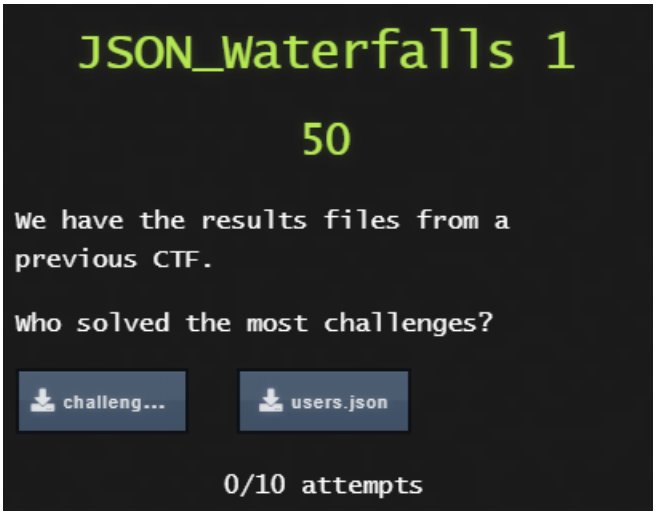


Taking the data from json to a csv. https://csvjson.com/json2csv

Save that to a new .csv file and open in excel.

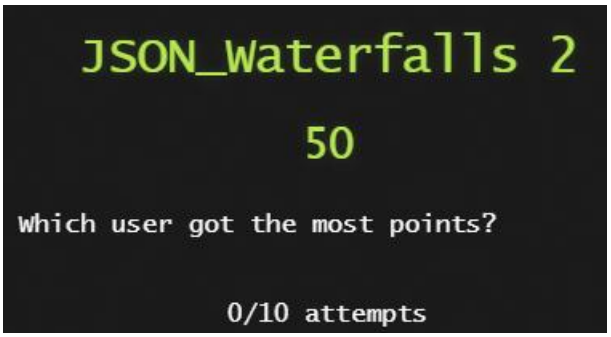
id	username	solves.challenge_id	solves.date
1	lkennion0	149	2020-07-13T18:27:32Z
1	lkennion0	51	2020-07-16T15:34:54Z
1	lkennion0	22	2020-07-16T19:41:13Z
1	lkennion0	43	2020-07-16T14:43:37Z
1	lkennion0	79	2020-07-15T09:50:37Z
1	lkennion0	11	2020-07-15T09:03:21Z
1	lkennion0	52	2020-07-16T20:19:36Z
1	lkennion0	83	2020-07-16T23:34:27Z
1	lkennion0	141	2020-07-13T22:52:15Z
1	lkennion0	235	2020-07-13T15:26:10Z
1	lkennion0	184	2020-07-13T12:11:44Z
1	lkennion0	74	2020-07-16T04:45:00Z
1	lkennion0	183	2020-07-14T15:44:51Z

We can then use the power of excel to answer these questions.

We can create a pivot table easily to get the answer to this question.

Row Labels	Count of id		Column1	Column2
aabbatt13	41		clethieulier	50
abarker5	31		dspaughton	49
abattman2t	16		llearoyd14	49
abeinu	25		tziebart2u	49
abernardotte3	11		ucomberbe	49
amcandrew2w	13		cbrownett2	48
apetrello30	31		cmix42	48
apoultney2m	40		jammerb	48
areburn3m	18		bsharphurst	47
aroser11	33		bsparry1y	47
ashambrook32	30		jnutley9	47
bburgon1l	22		jrawkesby1	47

Flag: clethieulier31



Now we need to combine the challenge points to the users table.

In order to do this I created a table of the users and copied the dejsoned challenges data.

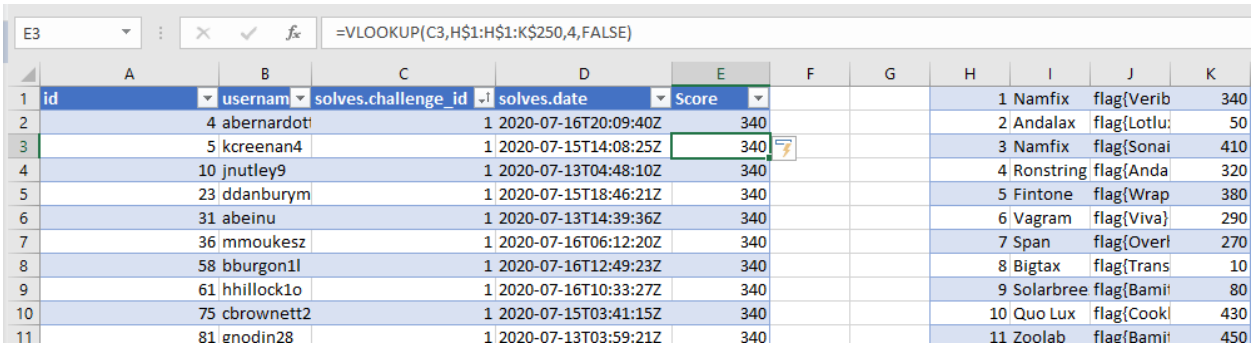
Users:

id	username	solves.challenge_id	solves.date
4	abernardotte3	1	2020-07-16T20:09:40Z
5	kcreenan4	1	2020-07-15T14:08:25Z
10	jnutley9	1	2020-07-13T04:48:10Z
23	ddanburym	1	2020-07-15T18:46:21Z
31	abeinu	1	2020-07-13T14:39:36Z
36	mmoukesz	1	2020-07-16T06:12:20Z
58	bburgon1l	1	2020-07-16T12:49:23Z
61	hhillock1o	1	2020-07-16T10:33:27Z
75	cbrownett22	1	2020-07-15T03:41:15Z
81	gnodin28	1	2020-07-13T03:59:21Z

Challenges:

solves.challenge_id	name	flag	points
1	Namfix	flag{Veribet}	340
2	Andalax	flag{Lotlux}	50
3	Namfix	flag{Sonair}	410
4	Ronstring	flag{Andalax}	320
5	Fintone	flag{Wrapsafe}	380
6	Vagram	flag{Viva}	290
7	Span	flag{Overhold}	270

Using this formula: =VLOOKUP(C3,H$1:H$1:K$250,4,FALSE)



	A	B	C	D	E	F	G	H	I	J	K
1	id	usernam	solves.challenge_id	solves.date	Score			1	Namfix	flag{Verib	340
2	4	abernardot	1	2020-07-16T20:09:40Z	340			2	Andalax	flag{Lotlu:	50
3	5	kcreenan4	1	2020-07-15T14:08:25Z	340			3	Namfix	flag{Sonai	410
4	10	jnutley9	1	2020-07-13T04:48:10Z	340			4	Ronstring	flag{Anda	320
5	23	ddanburym	1	2020-07-15T18:46:21Z	340			5	Fintone	flag{Wrap	380
6	31	abeinu	1	2020-07-13T14:39:36Z	340			6	Vagram	flag{Viva}	290
7	36	mmoukesz	1	2020-07-16T06:12:20Z	340			7	Span	flag{Overl	270
8	58	bburgon1l	1	2020-07-16T12:49:23Z	340			8	Bigtax	flag{Trans	10
9	61	hhillock1o	1	2020-07-16T10:33:27Z	340			9	Solarbree	flag{Bamit	80
10	75	cbrownett2	1	2020-07-15T03:41:15Z	340			10	Quo Lux	flag{Cookl	430
11	81	gnodin28	1	2020-07-13T03:59:21Z	340			11	Zoolab	flag{Bamit	450

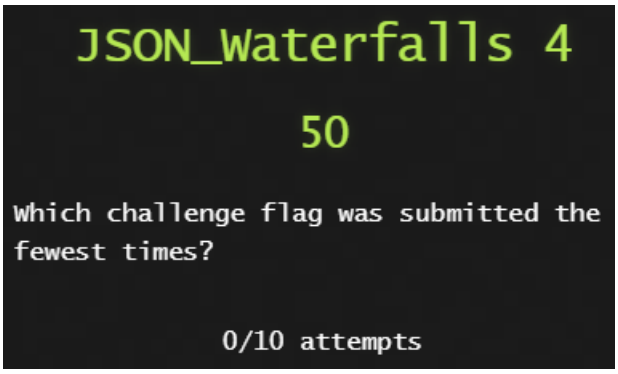
I now have a combined dataset for scores and I can create a new pivot table on the combined dataset.

Row Labels	Sum of Score
aabbatt13	9800
abarker5	6890
abattman2t	4040
abeinu	6050
abernardotte3	2500
amcandrew2w	3790
apetrello30	8140
apoultney2m	9570
areburn3m	5060

Column1	Column2
ucomberbeach10	13060
cbrownett22	12460
cmix42	12320
llearoyd14	12270
mgrigorian3e	12070
cpirkis3q	12000
clethieulier31	11920
jnutley9	11810

Flag: ucomberbeach10

Flag: 13060



Create a Pivot table that has the solves.challenge_id in both the rows and values with the values as a count of items.

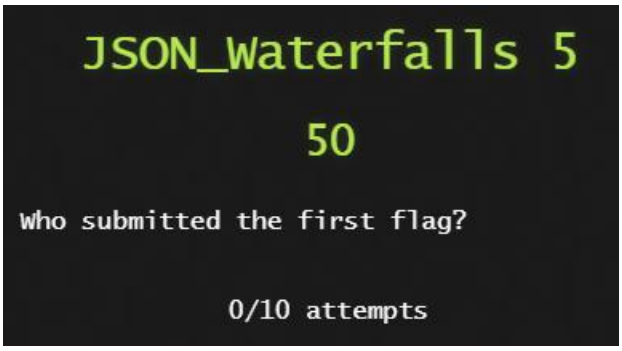
We find the following results:

Row Labels	Count of solves.challenge_id
1	19
2	13
3	17
4	15
5	20
6	21
7	21
8	16
9	11
10	25
11	18
12	14
13	17

Column1	Column2
168	8
44	9
210	9
98	10
161	10
9	11
33	11
42	11
139	11
150	11
159	11
173	11

167	Wrapsafe	flag{Treeflex}	80
168	Overhold	flag{Tampflex}	50
169	Wrapsafe	flag{Flexidy}	190

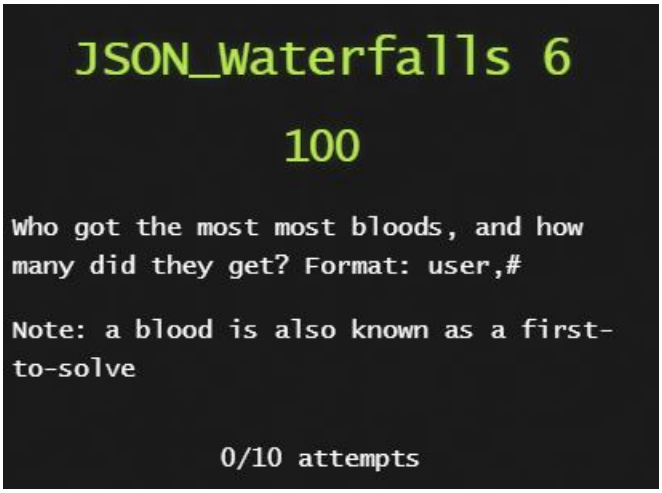
Flag: flag{Tampflex}



Sort the users table by solves.date to get the answer:

	A	B	C	D
1	id	username	solves.challenge_id	solves.date
2	103	tziebart2u	217	2020-07-13T00:02:28Z
3	86	cbellin2d	75	2020-07-13T00:03:38Z
4	60	bglendenning1n	242	2020-07-13T00:06:27Z
5	38	aroser11	201	2020-07-13T00:09:31Z
6	25	kmunseyo	65	2020-07-13T00:10:03Z
7	121	dmalamore3c	156	2020-07-13T00:12:37Z
8	107	phodges2y	133	2020-07-13T00:13:14Z
9	50	lvodden1d	180	2020-07-13T00:13:37Z
10	96	gmcintosh2n	195	2020-07-13T00:15:24Z

Flag: tziebart2u



For this one we need to filter on the challenge_id first then the solves.date second and then pull the first item for each one.

Create a new column with this formula (starting on the second item:
=IF([@[solves.challenge_id]]=C2,"DUPLICATE","")

id	username	solves.challenge_id	solves.date	Column
81	gnodin28	1	2020-07-13T03:59:21Z	
10	jnutley9	1	2020-07-13T04:48:10Z	DUPLICATE
145	bficken40	1	2020-07-13T06:09:12Z	DUPLICATE
120	mhugonnet3b	1	2020-07-13T08:22:01Z	DUPLICATE
31	abeinu	1	2020-07-13T14:39:36Z	DUPLICATE
100	fbidmead2r	1	2020-07-13T16:29:52Z	DUPLICATE
137	sjeaneau3s	1	2020-07-13T19:18:54Z	DUPLICATE
147	cmix42	1	2020-07-14T09:25:23Z	DUPLICATE
135	cpirkis3q	1	2020-07-14T09:29:55Z	DUPLICATE
120	mhugonnet3b	1	2020-07-14T18:12:49Z	DUPLICATE
75	cbrownett22	1	2020-07-15T03:41:15Z	DUPLICATE
106	kmaunders2x	1	2020-07-15T03:42:36Z	DUPLICATE
5	kcreenan4	1	2020-07-15T14:08:25Z	DUPLICATE
144	djaan3z	1	2020-07-15T15:55:45Z	DUPLICATE
23	ddanburym	1	2020-07-15T18:46:21Z	DUPLICATE
36	mmoukesz	1	2020-07-16T06:12:20Z	DUPLICATE
61	hhillock1o	1	2020-07-16T10:33:27Z	DUPLICATE
58	bburgon1l	1	2020-07-16T12:49:23Z	DUPLICATE
4	abernardotte3	1	2020-07-16T20:09:40Z	DUPLICATE
133	sgomez3o	2	2020-07-13T15:50:09Z	
37	ucomberbeach10	2	2020-07-13T20:50:51Z	DUPLICATE
89	spersse2q	2	2020-07-14T08:14:46Z	DUPLICATE

Now we can quickly hide the duplicates and create a new table of the users left.

Column1	Column2	Column3	Column4	Column5
81	gnodin28	1	2020-07-13T03:59:21Z	
110	clethieulier	20	2020-07-13T	
95	apoultney2r	33	2020-07-13T	
104	hmatovic2v	50	2020-07-13T	
25	kmunseyo	65	2020-07-13T	
119	fantuk3a	85	2020-07-13T	
12	jammerb	106	2020-07-13T	
49	mfalkner1c	127	2020-07-13T	
75	cbrownett2:	143	2020-07-13T	
13	bsharphurst	154	2020-07-13T	
86	cbellin2d	179	2020-07-13T	
49	mfalkner1c	197	2020-07-13T	
57	zbealing1k	211	2020-07-13T	
128	oweavers3j	228	2020-07-13T	
143	cwinders3y	243	2020-07-13T	

Now we can create a pivot table with username in rows and count of usernames in values.

Row Labels	Count of Column1
aabbatt13	3
abarker5	1
abeinu	1
abernardotte3	1
amcandrew2w	2
apoultney2m	3
areburn3m	1
aroser11	3
ashambrook32	1
bburgon1l	3
bficken40	3
bglendenning1n	4
bgrunguer19	1
bmcgougan3n	3
bmellem2q	3
bsharphurstc	1
bsparry1y	1
catterley3i	3

Column1	Column2
tspellessy23	7
cbrownett22	6
oweavers3j	6
clethieulier31	5
imcgriffin41	5
kbirkmyre37	5
bglendenning1n	4
cwinders3y	4
ddavidov18	4
fcouper2b	4
gnodin28	4
jsurgey3d	4
kmaunders2x	4
sjeaneau3s	4
starr2	4
tpaulson1s	4
aabbatt13	3
apoultney2m	3

Flag: tspellessy23,7