

Initial Load of page

On selecting dates and hitting the “click here to generate tables button “ a Fetch API is called at the endpoint to retrieve all reports by date and to obtain all the apps, now these two array of objects are merged into order to make it into a single table using the app_id as the key.

On selection of dates suppose from 1st-Jan to 20th Jan 2023 we fetch all the data to render a table

On clicking the button we get a table.

Enter start date for the report

Enter End date for the report

[Click here to generate tables](#)

Click on these buttons to show/hide a column present in the table

[Toggle App ID Visibility](#)
[Toggle App Name Visibility](#)
[Toggle Date Visibility](#)
[Toggle Requests Visibility](#)
[Toggle Responses Visibility](#)
[Toggle Impressions Visibility](#)
[Toggle Clicks Visibility](#)
[Toggle Revenue Visibility](#)
[Toggle FillRate Visibility](#)
[Toggle CTR Visibility](#)

Click on the heading of the table, for instance - "app_id" to sort by app_id

App ID	App Name	Date	Requests	Responses	Impressions	Clicks	Revenue	Fill Rate	CTR
123456	Panda Draw	2023-01-01T00:00:00Z	1010089	1010036	1009570	1009262	57.42148180962263	100.00524733771866	99.96949196192439
789652	Number Ninja	2023-01-01T00:00:00Z	1005197	1005147	1004729	1003766	78.98388528222969	100.00497439677977	99.90415325923706
741553	Word Crush	2023-01-01T00:00:00Z	1079511	1079422	1079027	1078108	380.39862595895005	100.00824515342471	99.91483067615546
986321	Brain Quiz	2023-01-01T00:00:00Z	1045800	1045717	1045368	1044796	33.2515814676172	100.00793713786808	99.9452824268583
320248	Age Calculator	2023-01-01T00:00:00Z	1012624	1012529	1012278	1011710	184.03087916355392	100.00938244731756	99.94388893169663
123456	Panda Draw	2023-01-02T00:00:00Z	1072945	1072882	1072616	1072190	187.03274901106684	100.00587203438961	99.96028401590131
789652	Number Ninja	2023-01-02T00:00:00Z	1090543	1090453	1090080	1089160	148.71488746367078	100.00825345063015	99.91560252458535
741553	Word Crush	2023-01-02T00:00:00Z	1021442	1021394	1021295	1020804	242.03133126800952	100.00469945975794	99.95192378304016
986321	Brain Quiz	2023-01-02T00:00:00Z	1040985	1040913	1040456	1040157	135.39754296383228	100.00691700459116	99.97126260024451
320248	Age Calculator	2023-01-02T00:00:00Z	1002088	1002049	1001567	1000638	136.69693917391547	100.00389202524028	99.90724534654197
123456	Panda Draw	2023-01-03T00:00:00Z	1052587	1052501	1052057	1051977	306.37390420039196	100.00817101361424	99.99239584927433
789652	Number Ninja	2023-01-03T00:00:00Z	1092499	1092498	1092237	1091988		100.00009153334834	99.97720274995262
741553	Word Crush	2023-01-03T00:00:00Z	1052463	1052374	1052236	1052143	2.7633827852666277	100.00845706944489	99.9911616785588
986321	Brain Quiz	2023-01-03T00:00:00Z	1079478	1079457	1079159	1078834	127.3893147186678	100.00194542255967	99.96988395593235
320248	Age Calculator	2023-01-03T00:00:00Z	1072297	1072203	1072070	1071997	34.98838041518559	100.00876699654823	99.99319074314177

We observe that all fields are present with two new fields-Fill rate and CTR

And in order to hide or show a particular column we have to click on the respective button of that column,

Upon clicking the column disappears/reappears.

Click on the heading of the table, for instance - "app_id" to sort by app_id

App ID	Date	Requests	Responses	Impressions	Clicks	Revenue	CTR
123456	2023-01-01T00:00:00Z	1017639	1017639	1017556	1017480	26.12495619234487	99.99253112359418
789652	2023-01-01T00:00:00Z	1017350	1017315	1017049	1017037	64.61511157961587	99.99882011584496
741553	2023-01-01T00:00:00Z	1098488	1098462	1098150	1097838	379.76078206629427	99.97158858079497
986321	2023-01-01T00:00:00Z	1068554	1068550	1068402	1067912	185.227434445616527	99.95413711318399
320248	2023-01-01T00:00:00Z	1011097	1011027	1010730	1010326	78.02806628640376	99.9600288900102
123456	2023-01-02T00:00:00Z	1009528	1009444	1009134	1008466	24.451298599309084	99.93380462852306
789652	2023-01-02T00:00:00Z	1048085	1048002	1047873	1047009	1.229552972359195	99.91754726002101
741553	2023-01-02T00:00:00Z	1076437	1076338	1075876	1075723	435.9567594818498	99.98577903029717
986321	2023-01-02T00:00:00Z	1057017	1056968	1056569	1056423	88.15129389738526	99.98618168808663
320248	2023-01-02T00:00:00Z	1015228	1015225	1014873	1014290	5.221872475935249	99.94255438857867
123456	2023-01-03T00:00:00Z	1099088	1099004	1098556	1097677	23.516467549948118	99.91998587236336
789652	2023-01-03T00:00:00Z	1013892	1013806	1013317	1013228	76.10752915220702	99.99121696369448
741553	2023-01-03T00:00:00Z	1043711	1043682	1043624	1043493	19.81247001164398	99.9874475864871
986321	2023-01-03T00:00:00Z	1065007	1064925	1064804	1063839	39.17628131190231	99.9093729925883
320248	2023-01-03T00:00:00Z	1091524	1091499	1091495	1090638	14.257877909159843	99.92148383638954
123456	2023-01-04T00:00:00Z	1021182	1021091	1020656	1019775	292.6772671383266	99.91368296468154
789652	2023-01-04T00:00:00Z	1089856	1089812	1089394	1088700	11.34706608540321	99.93629485750793
741553	2023-01-04T00:00:00Z	1051376	1051320	1050841	1050217	252.01847806220587	99.94061898993283
986321	2023-01-04T00:00:00Z	1047393	1047357	1047251	1046598	81.08219786615167	99.93764627582118
320248	2023-01-04T00:00:00Z	1042331	1042257	1042199	1041282	170.11606136673842	99.91201296489442
123456	2023-01-05T00:00:00Z	1035150	1035053	1034732	1034054	141.4810374625401	99.93447578696706
789652	2023-01-05T00:00:00Z	1089817	1089725	1089482	1089458	26.69993010456249	99.99779711826355
741553	2023-01-05T00:00:00Z	1040608	1040527	1040515	1039869	85.23609906151508	99.93791535922115
986321	2023-01-05T00:00:00Z	1086698	1086685	1086376	1085664	133.5206332038643	99.93446099692925
320248	2023-01-05T00:00:00Z	1024390	1024309	1024206	1024024	106.72456308043056	99.9822301372966
123456	2023-01-06T00:00:00Z	1045882	1045877	1045710	1045653	14.624235824887396	99.99454915798836

Upon clicking on "Toggle App Name Visibility" and "Toggle Fill Rate Visibility", we notice that the columns disappear

Before Sorting-

Enter start date for the report

Enter End date for the report

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[Toggle App ID Visibility](#)
[Toggle App Name Visibility](#)
[Toggle Date Visibility](#)
[Toggle Requests Visibility](#)
[Toggle Responses Visibility](#)
[Toggle Impressions Visibility](#)
[Toggle Clicks](#)
[Toggle Revenue](#)
[Toggle FillRate Visibility](#)
[Toggle CTR Visibility](#)

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App ID	App Name	Date	Requests	Responses	Impressions	Clicks	Revenue	Fill Rate	CTR
123456	Panda Draw	2023-01-01T00:00:00Z	1025602	1025598	1025278	1024842	263.7089566650336	100.00039001636118	99.95747494825794
789652	Number Ninja	2023-01-01T00:00:00Z	1015006	1014920	1014842	1014590	56.79211362896004	100.00847357427186	99.97516854840458
741553	Word Crush	2023-01-01T00:00:00Z	1003185	1003183	1002709	1001890	5.82524553013926	100.00019936541987	99.91832126768584
986321	Brain Quiz	2023-01-01T00:00:00Z	1053565	1053531	1053182	1053071	98.0795822885645	100.00322724248267	99.98946051109874
320248	Age Calculator	2023-01-01T00:00:00Z	1077627	1077585	1077469	1077245	42.059478865929805	100.00389760436532	99.97921053877188
123456	Panda Draw	2023-01-02T00:00:00Z	1056671	1056614	1056382	1055501	57.86144835006587	100.00539459064521	99.91660213824166
789652	Number Ninja	2023-01-02T00:00:00Z	1033956	1033893	1033708	1032971	263.39925639982783	100.00609347388946	99.92870327016914
741553	Word Crush	2023-01-02T00:00:00Z	1023081	1023038	1022616	1022450	30.414714099462824	100.00420316742877	99.98376712275184
986321	Brain Quiz	2023-01-02T00:00:00Z	1014350	1014285	1014049	1013317	3.6638511941739687	100.00640845521723	99.92781413915895
320248	Age Calculator	2023-01-02T00:00:00Z	1076337	1076255	1075949	1075867	1.3609013490036568	100.00761901222295	99.99237882092925
123456	Panda Draw	2023-01-03T00:00:00Z	1080327	1080297	1080260	1079663	17.034598280518363	100.0027770140989	99.94473552663247
789652	Number Ninja	2023-01-03T00:00:00Z	1093183	1093162	1093083	1092228	289.5582945349589	100.0019210327472	99.92178087116898
741553	Word Crush	2023-01-03T00:00:00Z	1070428	1070344	1070055	1069074	11.693933720365077	100.00784794421233	99.90832246940577
986321	Brain Quiz	2023-01-03T00:00:00Z	1078714	1078701	1078225	1077411	98.6849614801121	100.00120515323523	99.92450555310812
320248	Age Calculator	2023-01-03T00:00:00Z	1079934	1079863	1079831	1079230	52.87361727882571	100.00657490811335	99.94434314258434

After clicking on the app_id table heading we observe Sorting operation taking place

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[Toggle Clicks](#)
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App ID	App Name	Date	Requests	Responses	Impressions	Clicks	Revenue	Fill Rate	CTR
123456	Panda Draw	2023-01-20T00:00:00Z	1047528	1047473	1047379	1047224	144.7343689815784	100.00525073199978	99.9852011545009
789652	Number Ninja	2023-01-01T00:00:00Z	1015006	1014920	1014842	1014590	56.79211362896004	100.00847357427186	99.97516854840458
741553	Word Crush	2023-01-01T00:00:00Z	1003185	1003183	1002709	1001890	5.82524553013926	100.00019936541987	99.91832126768584
986321	Brain Quiz	2023-01-01T00:00:00Z	1053565	1053531	1053182	1053071	98.0795822885645	100.00322724248267	99.98946051109874
320248	Age Calculator	2023-01-01T00:00:00Z	1077627	1077585	1077469	1077245	42.059478865929805	100.00389760436532	99.97921053877188
123456	Panda Draw	2023-01-02T00:00:00Z	1056671	1056614	1056382	1055501	57.86144835006587	100.00539459064521	99.91660213824166
789652	Number Ninja	2023-01-02T00:00:00Z	1033956	1033893	1033708	1032971	263.39925639982783	100.00609347388946	99.92870327016914
741553	Word Crush	2023-01-02T00:00:00Z	1023081	1023038	1022616	1022450	30.414714099462824	100.00420316742877	99.98376712275184
986321	Brain Quiz	2023-01-02T00:00:00Z	1014350	1014285	1014049	1013317	3.6638511941739687	100.00640845521723	99.92781413915895
320248	Age Calculator	2023-01-02T00:00:00Z	1076337	1076255	1075949	1075867	1.3609013490036568	100.00761901222295	99.99237882092925
123456	Panda Draw	2023-01-03T00:00:00Z	1080327	1080297	1080260	1079663	17.034598280518363	100.0027770140989	99.94473552663247
789652	Number Ninja	2023-01-03T00:00:00Z	1093183	1093162	1093083	1092228	289.5582945349589	100.0019210327472	99.92178087116898
741553	Word Crush	2023-01-03T00:00:00Z	1070428	1070344	1070055	1069074	11.693933720365077	100.00784794421233	99.90832246940577
986321	Brain Quiz	2023-01-03T00:00:00Z	1078714	1078701	1078225	1077411	98.6849614801121	100.00120515323523	99.92450555310812
320248	Age Calculator	2023-01-03T00:00:00Z	1079934	1079863	1079831	1079230	52.87361727882571	100.00657490811335	99.94434314258434