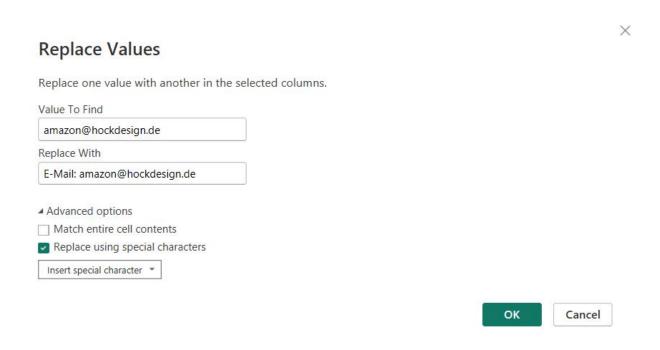
Cleaning the data of the seller to fetch the email id



Fig(1): Process of cleaning data

Steps to Clean or sanitize the unstructured data

- Step 1:- First we have to take the csv file and we have to see whether the data is structured data or unstructured data if it is structured data then no need to clean or sanitize, but if it is not structured data then we have to clean it using the tools such as Power BI, Tableau, SQL and many more tools.
- Step 2 :- Suppose if the data is not clean then first we have to import the data in the power BI then we have to transform data and from there we will clean it.
- Step 3:- In the case study the csv file was having unstructured data and in that the email part was not clean (it was in the form like email, E-Email-Address, E-mail, e-E-mail, and many more formats) . so I convert it into the **E-Mail** format to all the email data in the seller details.
- Step 4: After converting all the email data into **E-Mail** i am able to fetch the clean data. So, we will we easy to visualize.
- Step 5:- In Fig(1), you can see how to clean the data.

A ^B C email
jadgemaello@gmail.com
info@1a-handelsagentur.de
webmaster@9pm-store.de
abc-markt@web.de
Geschaftsfuhrungoffice@bauguru.at
bib.beckum@blumenbecker.com
amazon@boni-shop.com

· ·
info@deinegartenwelt.de
amazon@hockdesign.de
info@itenga.de
nils.holm@zierleyn.de
info@kabel-licht.de
info@kaiser24.shop

nfo@kaiser24.shop
nfo@kaleidoshop.de
nfo@kalishop.de
rundenservice@kamin-store24.de
mazon@kanana-online.de
nfo@kanister-vertrieb.de
oeln@party-discount.de
nfo@karneval-fasching-shop.de
caterrot27@aol.com
piel-hobby-lange@t-online.de

keimfunk@yahoo.de	
pv@solar-kemper.de	
info@kenai-deko.de	
kerima.tools@gmx.de	
kerri-keramik@web.de	
info@kettenbertl.de	
gesthuesen@t-online.de	
info@gsz24.de	
info@vronis-kinderland.de	
info@kiddy-hits.de	

amazon@kiesundco.de	
info@Kilds.de	
info@kimiza-duftshop.de	
info@kirchner24.de	
Info@kirr.gmbh	
amazon@kjells.de	
info@kk-dichtungstechnik.de	
office@haberl.at	

info@kleinschmidtgmbh.com	
Info@derklempnerpeter.de	
kontakt@kletterspezialisten.de	
klaus.lutz@kederband.net	
klodealer@aol.de	
kundenservice@klura.de	
mail@knobelbox.com	
info@kobalz.de	
info@stillger.eu	
kontakt@kochmesser-shop.com	
info@sl-handelsgmbh.de	
info@fischfuttertreff.de	
Shop@koi-schneidewind.de	
leonhardt@koi-herdecke.de	
info@koiwelt-berlin.de	
info@koizentrale.de	
webshop.knajp@aol.de	
redaktion@konfitee.de	

quaPro2000@hotmail.de	
cos24@t-online.de	
nfo@kotte-zeller.de	
ervice@krasatools.com	
pd-group@gmx.de	
chachkri@aol.com	
nfo@ks-graphik.de	
service@KS-Germany.com	

info@ksells.de	
ksj.shop@web.de	
info@ktc-tec.de	
service@ktl-gmbh.de	
buchfink.brigitte.fink@googlemail.com	
info@ast-mediaevent.de	
service@kurzwaren-profi.de	
kvm-janke@web.de	
info@kusnezov.de	
verkauf@luxzina.com	
amazon@kuetec.de	

verkauf@lacabanita.de	
amazon@urnitsch.at	
info.lacomi@tlctrading.de	
amazon@handelspark.de	
amazon@saku-system.de	
info@landkaufhausmayer.de	

amazon@pauli-parts.de
info@petras-topshop.de
support@roehrs-baumarkt.de
info@shop-ar.de
thomas@sitzkultur-bocholt.de
support@tabakring.de
support@tabakring.de
sales@tacopsgear.de

info@zhe-online.de
info@rosis-garten.de
info@teichbedarf24.de
service@teppichcenter24.de
info@teppichmax.de
amazon@teppichversand24.de
info@terma.de
info@terradomi.de
info@tevala.eu
info@texmaxx.de
info@textilpoint24.de
info@textimo.de

amazon@toydealer.de	
service@toys4all.de	
info@matten-shop.de	
amzseller@tradego24.	.com
info@trag-das.de	
travellers.world@ewe.	.net
info@trekvogel.de	
info@trendaffe.de	
and a control of the	
support@trendmile.co	om

office@brunnenwelt.eu
info@trotec24.com
info@tshirt-people.com
T-Shirts-Kissen-Geschenke@gmx.de
amazon@ttt-filmservice.de
info@tuga-holztech.de
shop@tunnelstore.de

wernerkrueger2@aol.com
info@fairmarkt24.de
info@furtwaengler.eu
info@sushk.de
info@versandlounge.de
info@lenkgetriebe.net
simon@vershy24.eu
shop@violadirekt.eu
info@vida-home.de

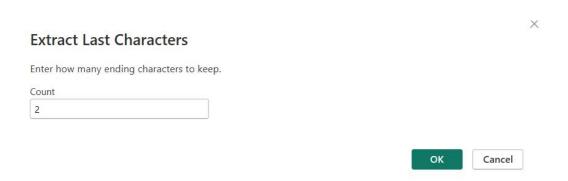
amazon@posterdepot.de	
office2@wamat.de	
anfrage@abs-werbestudio.de	
info@wasserflora.de	
illo@wasserilora.de	
wasserpflanzen@t-online.de	

info@wdatecs.de	
amazon@welovebags.de	
amazon@webavita.de	
amazon.webbomb@msg.afterbuy.de	
info@wedis-homeshop.de	
info@schreibwaren-wegmann.de	
weibo.manufakturen@gmail.com	
shop@weidezaun.info	

office	e@w-mt	ools.de			
amaz	on@wo	hn-ide	24.de		
shop	@wohn	raum-b	erger.c	le	
info@	wolldis	count2	4.com		
info@	highlig	ht-led.c	le		
info@	wortek	.de			
amaz	on@wt	nord.de	è		

sales@zombolo.de	
info@zoobamboo.de	
info@zoo-bue-pet.de info@zooheld.de	
in off contrade	
info@zooshop-online.com	

Cleaning the data of the location to fetch the country code



We have to clean the data from the location or address because we have to fetch the country code of the location

This will give you the business locations of the sellers. You can parse them to identify if a seller is registered in the US, Germany (DE), or China (CN).





-	A ^B C businesslocation of seller
55	DE
56	PL
57	DE
58	
59	DE
60	DE
61	DE
62	CN
63	DE
64	CN
65	DE
66	GB
67	GB
68	ıτ
69	CN
70	DE
71	DE
72	DE
73	
74	
75	CN
76	DE
77	CN
78	CN
79	FR
80	CN
81	CN

- □	AB _C businesslocation of seller
82	GB
83	CN
84	CN
85	CN
86	DE
87	CN
88	CN
89	CN
90	DE
91	DE
92	DE
93	CN
94	CN
95	CN
96	DE
97	CN
98	CN
99	DE
100	
101	DE
102	DE
103	DE
104	CN
105	CN
106	CN
107	CN
108	DE

-	A ^B C businesslocation of seller
109	DE
110	CN
111	DE
112	DE
113	CN
114	DE
115	DE
116	DE
117	
118	DE
119	ІТ
120	CN
121	DE
122	CN
123	GB
124	CN
125	DE
126	CN
127	DE
128	DE
129	CN
130	DE
131	CN
132	SE
133	ES
134	CN
135	DE

136	CN
137	DE
138	CN
139	CN
140	DE
141	DE
142	AT
143	DE
144	DE
145	DE
146	DE
147	DE
148	CN
149	DE
150	AT
151	DE
152	DE
153	DE
154	CN
155	DE
156	DE
157	DE
158	DE
159	DE
160	DE
161	DE
162	DE







-	A ^B C businesslocation of seller
243	CN
244	DE
245	DE
246	GB
247	
248	DE
249	CN
250	CN
251	TH
252	CN
253	CN
254	CN
255	CN
256	DE
257	AU
258	DE
259	GB
260	CN
261	
262	FR
263	CN
264	CN
265	DE
266	CN

	A ^B C	businesslocation of seller
267	CN	
268	DE	
269	CN	
270	CN	
271		
272	CN	
273	DE	
274	CN	
275	IT	
276	DE	
277	DE	
278	FR	
279	FR	
280	IT	
281	DE	
282	DE	
283	DE	
284	DE	
285	IT	
286	CN	
287	CN	
288	CN	
289	CN	
290	CN	

-	A ^B C businesslocation of seller
291	CN
292	CN
293	CN
294	CN
295	CN
296	CN
297	CN
298	CN
299	CN
300	CN
301	DE
302	DE
303	CN
304	CN
305	CN
306	CN
307	
308	CN
309	GB
310	BE
311	DE
312	JP
313	CN
314	GB
315	CN
316	CN
317	CN

■+	A ^B C businesslocation of seller
318	CN
319	CN
320	CN
321	CN
322	DE
323	DE
324	GB
325	CN
326	CN
327	CN
328	CN
329	CN
330	CN
331	DE
332	DE
333	CN
334	CN
335	CN
336	CN
337	CN
338	DE
339	CN
340	CN
341	CN
342	CN
343	CN
344	CN

-	A ^B C businesslocation of seller
399	CN
400	CN
401	CN
402	CN
403	CN
404	CN
405	CN
406	CN
407	CN
408	CN
409	CN
410	CN
411	CN
412	CN
413	CN
414	CN
415	CN
416	CN
417	CN
418	DE
419	NL
420	CN
421	GB
422	CN
423	CN
424	CN
425	CN





