

```
In [1]: #Used Stack Overflow sample data  
import pandas as pd
```

```
In [4]: df = pd.read_csv("survey_results_public.csv")
```

In [8]: df

Out[8]:

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
0	1	I am a developer by profession	Independent contractor, freelancer, or self-em...	Slovakia	NaN	NaN	Secondar (e.g. Americ sch
1	2	I am a student who is learning to code	Student, full-time	Netherlands	NaN	NaN	Bachelor's (B.A., B.S.,
2	3	I am not primarily a developer, but I write co...	Student, full-time	Russian Federation	NaN	NaN	Bachelor's (B.A., B.S.,
3	4	I am a developer by profession	Employed full-time	Austria	NaN	NaN	Master's (M./ M.Eng., M
4	5	I am a developer by profession	Independent contractor, freelancer, or self-em...	United Kingdom of Great Britain and Northern I...	NaN	England	Master's (M./ M.Eng., M
5	6	I am a student who is learning to code	Student, part-time	United States of America	Georgia	NaN	Bachelor's (B.A., B.S.,
6	7	I code primarily as a hobby	I prefer not to say	United States of America	New Hampshire	NaN	Secondar (e.g. Americ sch
7	8	I am a student who is learning to code	Student, full-time	Malaysia	NaN	NaN	Bachelor's (B.A., B.S.,
8	9	I am a developer by profession	Employed part-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
9	10	I am a developer by profession	Employed full-time	Sweden	NaN	NaN	Master's (M./ M.Eng., M
10	11	I am a developer by profession	Employed full-time	United Kingdom of Great Britain and Northern I...	NaN	England	Bachelor's (B.A., B.S.,
11	12	I am a developer by profession	Employed full-time	Spain	NaN	NaN	Bachelor's (B.A., B.S.,
12	13	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M

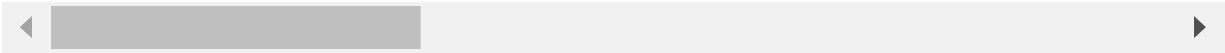
	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
13	14	I am a student who is learning to code	Employed full-time	Peru	NaN	NaN	Master's (M./ M.Eng., M
14	15	I used to be a developer by profession, but no...	Not employed, but looking for work	United Kingdom of Great Britain and Northern I...	NaN	England	Bachelor's (B.A., B.S.,
15	16	I am a student who is learning to code	Student, full-time	United States of America	Missouri	NaN	Secondar (e.g. Americ sch
16	17	I am a developer by profession	Employed full-time	Turkey	NaN	NaN	Bachelor's (B.A., B.S.,
17	18	I am a developer by profession	Employed full-time	Canada	NaN	NaN	Bachelor's (B.A., B.S.,
18	19	I am not primarily a developer, but I write co...	I prefer not to say	Singapore	NaN	NaN	Other degree Ed.
19	20	I used to be a developer by profession, but no...	Employed full-time	Brazil	NaN	NaN	Bachelor's (B.A., B.S.,
20	21	I am a developer by profession	Student, full-time	Germany	NaN	NaN	Bachelor's (B.A., B.S.,
21	22	I am a student who is learning to code	Student, full-time	Sweden	NaN	NaN	Bachelor's (B.A., B.S.,
22	23	I am a student who is learning to code	Student, full-time	India	NaN	NaN	college/u study e
23	24	I am a developer by profession	Employed full-time	France	NaN	NaN	Master's (M./ M.Eng., M
24	25	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M
25	26	I am not primarily a developer, but I write co...	Employed full-time	Germany	NaN	NaN	Other degree Ed.

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
26	27	I am not primarily a developer, but I write co...	Employed full-time	Switzerland	NaN	NaN	Master's (M./ M.Eng., M
27	28	I am a developer by profession	Employed full-time	United Kingdom of Great Britain and Northern I...	NaN	England	Bachelor's (B.A., B.S.,
28	29	I am a developer by profession	Independent contractor, freelancer, or self-em...	United Kingdom of Great Britain and Northern I...	NaN	England	Secondar (e.g. Americ sch
29	30	I am a developer by profession	Employed full-time	Russian Federation	NaN	NaN	Master's (M./ M.Eng., M
...	...	...	...	...	...	...	
83409	83410	I am a developer by profession	Employed full-time	Netherlands	NaN	NaN	Other degree Ed.
83410	83411	I am a student who is learning to code	Student, part-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
83411	83412	I am a developer by profession	Employed full-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
83412	83413	I am a developer by profession	Independent contractor, freelancer, or self-em...	United States of America	Oregon	NaN	Master's (M./ M.Eng., M
83413	83414	I used to be a developer by profession, but no...	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M
83414	83415	I code primarily as a hobby	Student, full-time	United States of America	Maryland	NaN	Secondar (e.g. Americ sch
83415	83416	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M
83416	83417	I am a developer by profession	Employed full-time	United States of America	New Mexico	NaN	Bachelor's (B.A., B.S.,
83417	83418	I am a developer by profession	Student, full-time	India	NaN	NaN	Bachelor's (B.A., B.S.,

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
83418	83419	I am a student who is learning to code	Student, full-time	Israel	NaN	NaN	Primary/ele
83419	83420	I am a developer by profession	Employed full-time	Austria	NaN	NaN	Master's (M./ M.Eng., M
83420	83421	I am a developer by profession	Employed full-time	France	NaN	NaN	Master's (M./ M.Eng., M
83421	83422	I am a developer by profession	Independent contractor, freelancer, or self-em...	Norway	NaN	NaN	Bachelor's (B.A., B.S.,
83422	83423	I am not primarily a developer, but I write co...	Independent contractor, freelancer, or self-em...	Viet Nam	NaN	NaN	Bachelor's (B.A., B.S.,
83423	83424	I am a developer by profession	Employed part-time	Cameroon	NaN	NaN	Master's (M./ M.Eng., M
83424	83425	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Bachelor's (B.A., B.S.,
83425	83426	I am a developer by profession	Employed full-time	Finland	NaN	NaN	Secondar (e.g. Americ sch
83426	83427	I am a developer by profession	Employed full-time	United States of America	Nebraska	NaN	Bachelor's (B.A., B.S.,
83427	83428	I am a developer by profession	Employed full-time	United States of America	Pennsylvania	NaN	Bachelor's (B.A., B.S.,
83428	83429	I am a developer by profession	Employed full-time	Brazil	NaN	NaN	Master's (M./ M.Eng., M
83429	83430	I code primarily as a hobby	Not employed, but looking for work	United States of America	Washington	NaN	Bachelor's (B.A., B.S.,
83430	83431	I am a developer by profession	Employed full-time	United States of America	Illinois	NaN	Master's (M./ M.Eng., M

	Respondeld	MainBranch	Employment	Country	US_State	UK_Country	I
83431	83432	I am a developer by profession	Independent contractor, freelancer, or self-em...	Pakistan	NaN	NaN	Bachelor's (B.A., B.S.,
83432	83433	I am a developer by profession	Employed full-time	Canada	NaN	NaN	Bachelor's (B.A., B.S.,
83433	83434	I am a developer by profession	Independent contractor, freelancer, or self-em...	Brazil	NaN	NaN	Bachelor's (B.A., B.S.,
83434	83435	I am a developer by profession	Employed full-time	United States of America	Texas	NaN	Bachelor's (B.A., B.S.,
83435	83436	I am a developer by profession	Independent contractor, freelancer, or self-em...	Benin	NaN	NaN	Bachelor's (B.A., B.S.,
83436	83437	I am a developer by profession	Employed full-time	United States of America	New Jersey	NaN	Secondar (e.g. Americ sch
83437	83438	I am a developer by profession	Employed full-time	Canada	NaN	NaN	Bachelor's (B.A., B.S.,
83438	83439	I am a developer by profession	Employed full-time	Brazil	NaN	NaN	Prof degree (

83439 rows × 48 columns



```
In [9]: df.shape
```

Out[9]: (83439, 48)

In [10]: df.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 83439 entries, 0 to 83438
Data columns (total 48 columns):
ResponseId                83439 non-null int64
MainBranch                83439 non-null object
Employment                83323 non-null object
Country                   83439 non-null object
US_State                  14920 non-null object
UK_Country                4418 non-null object
EdLevel                   83126 non-null object
Age1stCode                83243 non-null object
LearnCode                 82963 non-null object
YearsCode                 81641 non-null object
YearsCodePro              61216 non-null object
DevType                   66484 non-null object
OrgSize                   60726 non-null object
Currency                  61080 non-null object
CompTotal                 47183 non-null float64
CompFreq                  52150 non-null object
LanguageHaveWorkedWith    82357 non-null object
LanguageWantToWorkWith    76821 non-null object
DatabaseHaveWorkedWith    69546 non-null object
DatabaseWantToWorkWith    58299 non-null object
PlatformHaveWorkedWith    52135 non-null object
PlatformWantToWorkWith    41619 non-null object
WebframeHaveWorkedWith    61707 non-null object
WebframeWantToWorkWith    52095 non-null object
MiscTechHaveWorkedWith    47055 non-null object
MiscTechWantToWorkWith    38021 non-null object
ToolsTechHaveWorkedWith   72537 non-null object
ToolsTechWantToWorkWith   65480 non-null object
NEWCollabToolsHaveWorkedWith 81234 non-null object
NEWCollabToolsWantToWorkWith 73022 non-null object
OpSys                     83294 non-null object
NEWStuck                   83052 non-null object
NEWSOSites                 83171 non-null object
SOVisitFreq                82413 non-null object
SOAccount                  82525 non-null object
SOPartFreq                 67553 non-null object
SOComm                     82319 non-null object
NEWOtherComms              82828 non-null object
Age                         82407 non-null object
Gender                     82286 non-null object
Trans                      80678 non-null object
Sexuality                  73366 non-null object
Ethnicity                  79464 non-null object
Accessibility              77603 non-null object
MentalHealth               76920 non-null object
SurveyLength               81711 non-null object
SurveyEase                 81948 non-null object
ConvertedCompYearly        46844 non-null float64
dtypes: float64(2), int64(1), object(45)
memory usage: 30.6+ MB
```



```
In [11]: #setting up option to view all the headers for the df  
pd.set_option("display.max_columns",85)
```

```
In [12]: #now can see all the column headers  
df
```

Out[12]:

	Respond	MainBranch	Employment	Country	US_State	UK_Country	I
0	1	I am a developer by profession	Independent contractor, freelancer, or self-em...	Slovakia	NaN	NaN	Secondar (e.g. Americ sch
1	2	I am a student who is learning to code	Student, full-time	Netherlands	NaN	NaN	Bachelor's (B.A., B.S.,
2	3	I am not primarily a developer, but I write co...	Student, full-time	Russian Federation	NaN	NaN	Bachelor's (B.A., B.S.,
3	4	I am a developer by profession	Employed full-time	Austria	NaN	NaN	Master's (M./ M.Eng., M
4	5	I am a developer by profession	Independent contractor, freelancer, or self-em...	United Kingdom of Great Britain and Northern I...	NaN	England	Master's (M./ M.Eng., M
5	6	I am a student who is learning to code	Student, part-time	United States of America	Georgia	NaN	Bachelor's (B.A., B.S.,
6	7	I code primarily as a hobby	I prefer not to say	United States of America	New Hampshire	NaN	Secondar (e.g. Americ sch
7	8	I am a student who is learning to code	Student, full-time	Malaysia	NaN	NaN	Bachelor's (B.A., B.S.,
8	9	I am a developer by profession	Employed part-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
9	10	I am a developer by profession	Employed full-time	Sweden	NaN	NaN	Master's (M./ M.Eng., M
10	11	I am a developer by profession	Employed full-time	United Kingdom of Great Britain and Northern I...	NaN	England	Bachelor's (B.A., B.S.,
11	12	I am a developer by profession	Employed full-time	Spain	NaN	NaN	Bachelor's (B.A., B.S.,

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
12	13	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M
13	14	I am a student who is learning to code	Employed full-time	Peru	NaN	NaN	Master's (M./ M.Eng., M
14	15	I used to be a developer by profession, but no...	Not employed, but looking for work	United Kingdom of Great Britain and Northern I...	NaN	England	Bachelor's (B.A., B.S.,
15	16	I am a student who is learning to code	Student, full-time	United States of America	Missouri	NaN	Secondar (e.g. Americ sch
16	17	I am a developer by profession	Employed full-time	Turkey	NaN	NaN	Bachelor's (B.A., B.S.,
17	18	I am a developer by profession	Employed full-time	Canada	NaN	NaN	Bachelor's (B.A., B.S.,
18	19	I am not primarily a developer, but I write co...	I prefer not to say	Singapore	NaN	NaN	Other degree Ed.
19	20	I used to be a developer by profession, but no...	Employed full-time	Brazil	NaN	NaN	Bachelor's (B.A., B.S.,
20	21	I am a developer by profession	Student, full-time	Germany	NaN	NaN	Bachelor's (B.A., B.S.,
21	22	I am a student who is learning to code	Student, full-time	Sweden	NaN	NaN	Bachelor's (B.A., B.S.,
22	23	I am a student who is learning to code	Student, full-time	India	NaN	NaN	college/u study e
23	24	I am a developer by profession	Employed full-time	France	NaN	NaN	Master's (M./ M.Eng., M
24	25	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
25	26	I am not primarily a developer, but I write co...	Employed full-time	Germany	NaN	NaN	Other degree Ed.
26	27	I am not primarily a developer, but I write co...	Employed full-time	Switzerland	NaN	NaN	Master's (M./ M.Eng., M
27	28	I am a developer by profession	Employed full-time	United Kingdom of Great Britain and Northern I...	NaN	England	Bachelor's (B.A., B.S.,
28	29	I am a developer by profession	Independent contractor, freelancer, or self-em...	United Kingdom of Great Britain and Northern I...	NaN	England	Secondar (e.g. Americ sch
29	30	I am a developer by profession	Employed full-time	Russian Federation	NaN	NaN	Master's (M./ M.Eng., M
...	...	...	...	...	...	...	...
83409	83410	I am a developer by profession	Employed full-time	Netherlands	NaN	NaN	Other degree Ed.
83410	83411	I am a student who is learning to code	Student, part-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
83411	83412	I am a developer by profession	Employed full-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
83412	83413	I am a developer by profession	Independent contractor, freelancer, or self-em...	United States of America	Oregon	NaN	Master's (M./ M.Eng., M
83413	83414	I used to be a developer by profession, but no...	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M
83414	83415	I code primarily as a hobby	Student, full-time	United States of America	Maryland	NaN	Secondar (e.g. Americ sch
83415	83416	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Master's (M./ M.Eng., M

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
83416	83417	I am a developer by profession	Employed full-time	United States of America	New Mexico	NaN	Bachelor's (B.A., B.S.,
83417	83418	I am a developer by profession	Student, full-time	India	NaN	NaN	Bachelor's (B.A., B.S.,
83418	83419	I am a student who is learning to code	Student, full-time	Israel	NaN	NaN	Primary/ele
83419	83420	I am a developer by profession	Employed full-time	Austria	NaN	NaN	Master's (M./ M.Eng., Mf
83420	83421	I am a developer by profession	Employed full-time	France	NaN	NaN	Master's (M./ M.Eng., Mf
83421	83422	I am a developer by profession	Independent contractor, freelancer, or self-em...	Norway	NaN	NaN	Bachelor's (B.A., B.S.,
83422	83423	I am not primarily a developer, but I write co...	Independent contractor, freelancer, or self-em...	Viet Nam	NaN	NaN	Bachelor's (B.A., B.S.,
83423	83424	I am a developer by profession	Employed part-time	Cameroon	NaN	NaN	Master's (M./ M.Eng., Mf
83424	83425	I am a developer by profession	Employed full-time	Germany	NaN	NaN	Bachelor's (B.A., B.S.,
83425	83426	I am a developer by profession	Employed full-time	Finland	NaN	NaN	Secondar (e.g. Americ sch
83426	83427	I am a developer by profession	Employed full-time	United States of America	Nebraska	NaN	Bachelor's (B.A., B.S.,
83427	83428	I am a developer by profession	Employed full-time	United States of America	Pennsylvania	NaN	Bachelor's (B.A., B.S.,

	ResponseId	MainBranch	Employment	Country	US_State	UK_Country	I
83428	83429	I am a developer by profession	Employed full-time	Brazil	NaN	NaN	Master's (M./ M.Eng., M
83429	83430	I code primarily as a hobby	Not employed, but looking for work	United States of America	Washington	NaN	Bachelor's (B.A., B.S.,
83430	83431	I am a developer by profession	Employed full-time	United States of America	Illinois	NaN	Master's (M./ M.Eng., M
83431	83432	I am a developer by profession	Independent contractor, freelancer, or self-em...	Pakistan	NaN	NaN	Bachelor's (B.A., B.S.,
83432	83433	I am a developer by profession	Employed full-time	Canada	NaN	NaN	Bachelor's (B.A., B.S.,
83433	83434	I am a developer by profession	Independent contractor, freelancer, or self-em...	Brazil	NaN	NaN	Bachelor's (B.A., B.S.,
83434	83435	I am a developer by profession	Employed full-time	United States of America	Texas	NaN	Bachelor's (B.A., B.S.,
83435	83436	I am a developer by profession	Independent contractor, freelancer, or self-em...	Benin	NaN	NaN	Bachelor's (B.A., B.S.,
83436	83437	I am a developer by profession	Employed full-time	United States of America	New Jersey	NaN	Secondar (e.g. Americ sch
83437	83438	I am a developer by profession	Employed full-time	Canada	NaN	NaN	Bachelor's (B.A., B.S.,
83438	83439	I am a developer by profession	Employed full-time	Brazil	NaN	NaN	Prof degree (

83439 rows × 48 columns



```
In [17]: #Loading schema to understand the data headers  
schema_df = pd.read_csv("survey_results_schema.csv")  
schema_df
```



Out[17]:

	qid	qname	question	force_resp	type	selector
0	QID16	S0	<div><span style="font-size:19px;"><strong>Hel...	False	DB	TB
1	QID12	MetaInfo	Browser Meta Info	False	Meta	Browser
2	QID1	S1	<span style="font-size:22px; font-family: aria...	False	DB	TB
3	QID2	MainBranch	Which of the following options best describes ...	True	MC	SAVR
4	QID24	Employment	Which of the following best describes your cur...	False	MC	MAVR
5	QID6	Country	Where do you live? <span style="font-weight: b...	True	MC	DL
6	QID7	US_State	<p>In which state or territory of the USA do y...	False	MC	DL
7	QID9	UK_Country	In which part of the United Kingdom do you liv...	False	MC	DL
8	QID190	S2	<span style="font-size:22px; font-family: aria...	False	DB	TB
9	QID25	EdLevel	Which of the following best describes the high...	False	MC	SAVR
10	QID149	Age1stCode	At what age did you write your first line of c...	False	MC	MAVR
11	QID276	LearnCode	How did you learn to code? Select all that apply.	False	MC	MAVR
12	QID32	YearsCode	Including any education, how many years have y...	False	MC	DL
13	QID34	YearsCodePro	NOT including education, how many years have y...	False	MC	DL
14	QID31	DevType	Which of the following describes your current ...	False	MC	MAVR
15	QID29	OrgSize	Approximately how many people are employed by ...	False	MC	MAVR
16	QID50	Currency	Which currency do you use day-to-day? If your ...	True	MC	SB
17	QID51	CompTotal	What is your current total compensation (salar...	False	TE	SL
18	QID52	CompFreq	Is that compensation weekly, monthly, or yearly?	False	MC	MAVR
19	QID61	S3	<span style="font-size:22px; font-family: aria...	False	DB	TB
20	QID233	Language	Which <b>programming, scripting, and markup la...	False	Matrix	Likert
21	QID262	Database	Which <b>database environments </b>have you do...	False	Matrix	Likert
22	QID263	Platform	Which <b>cloud platforms</b> have you done ext...	False	Matrix	Likert

	qid	qname	question	force_resp	type	selector
23	QID264	Webframe	Which <strong>web frameworks</strong><span st...	False	Matrix	Likert
24	QID265	MiscTech	Which <b>other frameworks and libraries</b> ha...	False	Matrix	Likert
25	QID275	ToolsTech	Which <strong>tools</strong> have you done ext...	False	Matrix	Likert
26	QID274	NEWCollabTools	Which <strong>development environments</strong>...	False	Matrix	Likert
27	QID71	OpSys	What is the primary operating system in which ...	False	MC	SAVR
28	QID243	NEWStuck	What do you do when you get stuck on a problem...	False	MC	MAVR
29	QID91	S4	<span style="font-size:22px; font-family: aria...	False	DB	TB
30	QID266	NEWSOSites	Which of the following Stack Overflow sites ha...	False	MC	MAVR
31	QID100	SOVisitFreq	How frequently would you say you visit Stack O...	False	MC	MAVR
32	QID101	SOAccount	Do you have a Stack Overflow account?	False	MC	MAVR
33	QID102	SOPartFreq	How frequently would you say you participate i...	False	MC	MAVR
34	QID106	SOCComm	Do you consider yourself a member of the Stack...	False	MC	MAVR
35	QID267	NEWOtherComms	Are you a member of any other online developer...	False	MC	MAVR
36	QID268	NEWOtherCommsNames	Please name up to 5 other online developer com...	False	Matrix	Likert
37	QID121	S5	<span style="font-size:22px; font-family: aria...	False	DB	TB
38	QID127	Age	What is your age?	False	MC	MAVR
39	QID122	Gender	Which of the following describe you, if any? P...	False	MC	MAVR
40	QID153	Trans	Do you identify as transgender?	False	MC	MAVR
41	QID136	Sexuality	Which of the following describe you, if any? P...	False	MC	MAVR
42	QID126	Ethnicity	Which of the following describe you, if any? P...	False	MC	MAVR
43	QID124	Accessibility	Which of the following describe you, if any? P...	False	MC	MAVR
44	QID125	MentalHealth	Which of the following describe you, if any? P...	False	MC	MAVR
45	QID131	S6	<span style="font-size:22px;"><strong>Final Qu...	False	DB	TB
46	QID132	SurveyLength	How do you feel about the length of the survey...	False	MC	MAVR

	qid	qname	question	force_resp	type	selector
47	QID133	SurveyEase	How easy or difficult was this survey to compl...	False	MC	MAVR

```
In [18]: pd.set_option("display.max_columns",85)
pd.set_option("display.max_rows",85)
```

In [20]: `schema_df`

Out[20]:

	qid	qname	question	force_resp	type	selector
0	QID16	S0	<div><span style="font-size:19px;"><strong>Hel...	False	DB	TB
1	QID12	MetaInfo	Browser Meta Info	False	Meta	Browser
2	QID1	S1	<span style="font-size:22px; font-family: aria...	False	DB	TB
3	QID2	MainBranch	Which of the following options best describes ...	True	MC	SAVR
4	QID24	Employment	Which of the following best describes your cur...	False	MC	MAVR
5	QID6	Country	Where do you live? <span style="font-weight: b...	True	MC	DL
6	QID7	US_State	<p>In which state or territory of the USA do y...	False	MC	DL
7	QID9	UK_Country	In which part of the United Kingdom do you liv...	False	MC	DL
8	QID190	S2	<span style="font-size:22px; font-family: aria...	False	DB	TB
9	QID25	EdLevel	Which of the following best describes the high...	False	MC	SAVR
10	QID149	Age1stCode	At what age did you write your first line of c...	False	MC	MAVR
11	QID276	LearnCode	How did you learn to code? Select all that apply.	False	MC	MAVR
12	QID32	YearsCode	Including any education, how many years have y...	False	MC	DL
13	QID34	YearsCodePro	NOT including education, how many years have y...	False	MC	DL
14	QID31	DevType	Which of the following describes your current ...	False	MC	MAVR
15	QID29	OrgSize	Approximately how many people are employed by ...	False	MC	MAVR
16	QID50	Currency	Which currency do you use day-to-day? If your ...	True	MC	SB
17	QID51	CompTotal	What is your current total compensation (salar...	False	TE	SL
18	QID52	CompFreq	Is that compensation weekly, monthly, or yearly?	False	MC	MAVR
19	QID61	S3	<span style="font-size:22px; font-family: aria...	False	DB	TB
20	QID233	Language	Which <b>programming, scripting, and markup la...	False	Matrix	Likert
21	QID262	Database	Which <b>database environments </b>have you do...	False	Matrix	Likert
22	QID263	Platform	Which <b>cloud platforms</b> have you done ext...	False	Matrix	Likert

	qid	qname	question	force_resp	type	selector
23	QID264	Webframe	Which <strong>web frameworks</strong><span st...	False	Matrix	Likert
24	QID265	MiscTech	Which <b>other frameworks and libraries</b> ha...	False	Matrix	Likert
25	QID275	ToolsTech	Which <strong>tools</strong> have you done ext...	False	Matrix	Likert
26	QID274	NEWCollabTools	Which <strong>development environments</strong>...	False	Matrix	Likert
27	QID71	OpSys	What is the primary operating system in which ...	False	MC	SAVR
28	QID243	NEWStuck	What do you do when you get stuck on a problem...	False	MC	MAVR
29	QID91	S4	<span style="font-size:22px; font-family: aria...	False	DB	TB
30	QID266	NEWSOSites	Which of the following Stack Overflow sites ha...	False	MC	MAVR
31	QID100	SOVisitFreq	How frequently would you say you visit Stack O...	False	MC	MAVR
32	QID101	SOAccount	Do you have a Stack Overflow account?	False	MC	MAVR
33	QID102	SOPartFreq	How frequently would you say you participate i...	False	MC	MAVR
34	QID106	SOCComm	Do you consider yourself a member of the Stack...	False	MC	MAVR
35	QID267	NEWOtherComms	Are you a member of any other online developer...	False	MC	MAVR
36	QID268	NEWOtherCommsNames	Please name up to 5 other online developer com...	False	Matrix	Likert
37	QID121	S5	<span style="font-size:22px; font-family: aria...	False	DB	TB
38	QID127	Age	What is your age?	False	MC	MAVR
39	QID122	Gender	Which of the following describe you, if any? P...	False	MC	MAVR
40	QID153	Trans	Do you identify as transgender?	False	MC	MAVR
41	QID136	Sexuality	Which of the following describe you, if any? P...	False	MC	MAVR
42	QID126	Ethnicity	Which of the following describe you, if any? P...	False	MC	MAVR
43	QID124	Accessibility	Which of the following describe you, if any? P...	False	MC	MAVR
44	QID125	MentalHealth	Which of the following describe you, if any? P...	False	MC	MAVR
45	QID131	S6	<span style="font-size:22px;"><strong>Final Qu...	False	DB	TB
46	QID132	SurveyLength	How do you feel about the length of the survey...	False	MC	MAVR

	qid	qname	question	force_resp	type	selector
47	QID133	SurveyEase	How easy or difficult was this survey to compl...	False	MC	MAVR

In [21]:

schema\_df.head()

Out[21]:

	qid	qname	question	force_resp	type	selector
0	QID16	S0	<div><span style="font-size:19px;"><strong>Hel...	False	DB	TB
1	QID12	MetalInfo	Browser Meta Info	False	Meta	Browser
2	QID1	S1	<span style="font-size:22px; font-family: aria...	False	DB	TB
3	QID2	MainBranch	Which of the following options best describes ...	True	MC	SAVR
4	QID24	Employment	Which of the following best describes your cur...	False	MC	MAVR

In [22]:

schema\_df.tail()

Out[22]:

	qid	qname	question	force_resp	type	selector
43	QID124	Accessibility	Which of the following describe you, if any? P...	False	MC	MAVR
44	QID125	MentalHealth	Which of the following describe you, if any? P...	False	MC	MAVR
45	QID131	S6	<span style="font-size:22px;"><strong>Final Qu...	False	DB	TB
46	QID132	SurveyLength	How do you feel about the length of the survey...	False	MC	MAVR
47	QID133	SurveyEase	How easy or difficult was this survey to compl...	False	MC	MAVR