Project - Dynamic Query

ssn	lastname	firstname	DEPARTMENT	hiredate	salary	gender	performance
000-01-0000	Milgrom	Patricia	Marketing	10/1/2004	$57,500	F	Average
000-02-2222	Adams	Sandy	IT	1/15/2001	$19,500	F	Average
109-87-6543	Wood	Emily	QA	3/12/1997	$69,000	F	Average
109-87-6544	Foster	Harold	Warehouse	8/14/2005	$55,000	M	Good
111-12-1111	Johnson	James	Marketing	5/3/1996	$47,500	M	Good
123-45-6789	Coulter	Tracy	IT	2/14/1993	$100,000		Good
222-23-2222	Marlin	Bill	QA	3/28/1977	$125,000	M	
222-52-5555	Smith	Mary	Warehouse	1/1/2006	$42,500	F	Average
245-67-8910	Johanson	Sandy	Marketing	6/2/2005	$69,000	F	
333-34-3333	Manin	Emily	IT	12/1/2000	$49,500	F	Average
333-43-4444	Smith	Frank	QA	1/29/1991	$65,000	M	Good
333-66-1234	Brown	Marietta	Warehouse	3/7/2001	$18,500	F	Poor
335-55-5533	Jones	Holly	Marketing	4/8/1986	$65,000	F	Good
432-19-8765	Bronson	Paul	IT	11/20/2003	$58,000	M	Good
444-45-4444	Frank	Vernon	QA	4/10/1985	$75,000	M	Good
464-64-4466	Webster	David	Warehouse	1/29/1991	$58,500	M	Poor
500-50-0505	Rodriguez	Jose	Marketing	7/16/1998	$150,000	M	Good
555-22-3333	Rubin	Patricia	IT	7/25/2003	$45,000	F	Average
555-56-5555	Charles	Kenneth	QA	6/18/1998	$40,000	M	Poor
612-99-1111	Roberts	Melissa	Warehouse	5/14/1984	$79,000	F	Good
625-62-6262	Holmes	Holly	Marketing	6/15/1992	$55,000	F	Average
767-74-7373	Martin	William	IT	8/26/2006	$23,000	M	Good
776-67-6666	Adamson	David	QA	10/4/2002	$52,000	M	Poor
777-78-7777	Marder	Kelly	Warehouse	9/25/1997	$38,500	F	Average
925-45-7116	Whitehead	David	Marketing	7/25/1980	$175,000	M	Good

To Do

Create a **drop-down** list to filter out table

Please select filter

Department	Performance
Marketing	Good

Formula

=QUERY(PROJECT,"select * where H ='" & J7 & "' AND D = '" & I7 &"'")

ssn	lastname	firstname	DEPARTMENT	hiredate	salary	gender	performance
111-12-1111	Johnson	James	Marketing	5/3/1996	$47,500	M	Good
335-55-5533	Jones	Holly	Marketing	4/8/1986	$65,000	F	Good
500-50-0505	Rodriguez	Jose	Marketing	7/16/1998	$150,000	M	Good
925-45-7116	Whitehead	David	Marketing	7/25/1980	$175,000	M	Good

Project - Convert TH to EN Date

Lookup Table			To do				
ม.ค.	1		Convert date from TH to EN				
ก.พ.	2		**TH Date**	**Day**	**Month**	**Year**	**EN Date**
มี.ค.	3		12 ธ.ค. 2563	12	12	2020	2020-12-12
เม.ย.	4		25 พ.ย. 2561	25	11	2018	2018-11-25
พ.ค.	5		09 ก.ย. 2562	09	9	2019	2019-09-09
มิ.ย.	6		07 ม.ค. 2560	07	1	2017	2017-01-07
ก.ค.	7		15 เม.ย. 2563	15	4	2020	2020-04-15
ส.ค.	8		06 มิ.ย. 2563	06	6	2020	2020-06-06
ก.ย.	9		**Answer**				
ต.ค.	10		**Day**	=(REGEXEXTRACT(D6,"\d+"))			
พ.ย.	11		**Month**	=VLOOKUP(REGEXEXTRACT(D6,"\d+ ([ก-๙]+\.[ก-๙]\.)"),$A$4:$B$15,2,FALSE())			
ธ.ค.	12		**Year**	=REGEXEXTRACT(D6," \d+")-543			
			EN Date	=DATE(G6,F6,E6)			

Project - ID Card Parser	To do									
regular expression	Split customer information into columns according to their topic.									

Customer Information	ID	Gender	Firstname	Lastname	DOB	Age	Address	Zipcode	Expired Date	Expired This Year
ID 1-1078-00555-99-1 Mr. John David Date of Birth 20 Sep 1988 Address 67 Bangkok Thailand 10560 Expired Date 31 Dec 2020	1-1078-00555-99-1	Male	John	David	20 Sep 1988	34	67 Bangkok Thailand	10560	31 Dec	No
ID 3-5522-87666-87-2 Miss. Carry Anna Date of Birth 18 Jan 1995 Address 967 Tokyo Japan 10880 Expired Date 25 Apr 2025	3-5522-87666-87-2	Female	Carry	Anna	18 Jan 1995	28	967 Tokyo Japan	10880	25 Apr	No
ID 1-2222-03874-23-6 Mr. Kevin Demio Date of Birth 14 Feb 1992 Address 7878 Washington United States 11155 Expired Date 31 Oct 2020	1-2222-03874-23-6	Male	Kevin	Demio	14 Feb 1992	31	7878 Washington United States	11155	31 Oct	No
ID 1-1078-00555-99-1 Mr. Stuart Lonely Date of Birth 20 Sep 1982 Address 554 Seoul Korea 89237 Expired Date 31 Mar 2021	1-1078-00555-99-1	Male	Stuart	Lonely	20 Sep 1982	40	554 Seoul Korea	89237	31 Mar	No
ID 1-1078-00555-99-1 Miss. Anya Tayloy Date of Birth 05 May 1985 Address 998 London United Kingdom 55387 Expired Date 15 Nov 2022	1-1078-00555-99-1	Female	Anya	Tayloy	05 May 1985	38	998 London United Kingdom	55387	15 Nov	Yes

	Answer									
	ID	=REGEXEXTRACT(A4,"\d-\d{4}-\d{5}\-\d{2}-\d")								
	Gender	=IF(REGEXEXTRACT(A5,"M[a-z]+\.")="Mr.","Male","Female")								
	Firstname	=REGEXEXTRACT(A6, "M[a-z]+\. ([A-Za-z]+) [A-Za-z]+")								
	Lastname	=REGEXEXTRACT(A7, "M[a-z]+\. [A-Za-z]+ ([A-Za-z]+)")								
	DOB	=REGEXEXTRACT(A8,"Date of Birth ([0-9]{2} [A-Za-z]+ [0-9]{4})")								
	Age	=DATEDIF(F8,TODAY(),"Y")								
	Address	=REGEXEXTRACT(A8,"Address ([0-9]{2,4} [A-Za-z]+ [A-Za-z]+)")								
	Zipcode	=TRIM(REGEXEXTRACT(A4," \d{5}"))								
	Expired Date	=REGEXEXTRACT(A4,"Expired Date ([0-9]{2} [A-Za-z]+)")								
	Expired This Year	=IF(REGEXMATCH(A4,"2022"),"Yes","No")								

Project – Hamburger Price

ssn	lastname	firstname	firstname lastname	hiredate	salary	gender	performance
000-01-0000	Milgrom	Patricia	Milgrom Patricia	10/1/2004	$57,500	F	Average
000-02-2222	Adams	Sandy	Adams Sandy	1/15/2001	$19,500	F	Average
109-87-6543	Wood	Emily	Wood Emily	3/12/1997	$69,000	F	Average
109-87-6544	Foster	Harold	Foster Harold	8/14/2005	$55,000	M	Good
111-12-1111	Johnson	James	Johnson James	5/3/1996	$47,500	M	Good
123-45-6789	Coulter	Tracy	Coulter Tracy	2/14/1993	$100,000		Good
222-23-2222	Marlin	Bill	Marlin Bill	3/28/1977	$125,000	M	
222-52-5555	Smith	Mary	Smith Mary	1/1/2006	$42,500	F	Average
245-67-8910	Johanson	Sandy	Johanson Sandy	6/2/2005	$69,000	F	
333-34-3333	Manin	Emily	Manin Emily	12/1/2000	$49,500	F	Average
333-43-4444	Smith	Frank	Smith Frank	1/29/1991	$65,000	M	Good
333-66-1234	Brown	Marietta	Brown Marietta	3/7/2001	$18,500	F	Poor
335-55-5533	Jones	Holly	Jones Holly	4/8/1986	$65,000	F	Good
432-19-8765	Bronson	Paul	Bronson Paul	11/20/2003	$58,000	M	Good
444-45-4444	Frank	Vernon	Frank Vernon	4/10/1985	$75,000	M	Good
464-64-4466	Webster	David	Webster David	1/29/1991	$58,500	M	Poor
500-50-0505	Rodriguez	Jose	Rodriguez Jose	7/16/1998	$150,000	M	Good
555-22-3333	Rubin	Patricia	Rubin Patricia	7/25/2003	$45,000	F	Average
555-56-5555	Charles	Kenneth	Charles Kenneth	6/18/1998	$40,000	M	Poor
612-99-1111	Roberts	Melissa	Roberts Melissa	5/14/1984	$79,000	F	Good
625-62-6262	Holmes	Holly	Holmes Holly	6/15/1992	$55,000	F	Average
767-74-7373	Martin	William	Martin William	8/26/2006	$23,000	M	Good
776-67-6666	Adamson	David	Adamson David	10/4/2002	$52,000	M	Poor
777-78-7777	Marder	Kelly	Marder Kelly	9/25/1997	$38,500	F	Average
925-45-7116	Whitehead	David	Whitehead David	7/25/1980	$175,000	M	Good

To Do

1. Create drop down list of SSN number
2. Create app to select data

Please select the employee name for more detail.

Full Name	Foster Harold
SSN	109-87-6544
Hiredate	2005-08-14
salary	$55,000
Performance	Good

SSN	=INDEX($A$4:$H$28, MATCH($K$8,$D$4:$D$28,FALSE),1)
Hiredate	=INDEX($A$4:$H$28, MATCH($K$8,$D$4:$D$28,FALSE),5)
salary	=INDEX($A$4:$H$28, MATCH($K$8,$D$4:$D$28,FALSE),6)
Performance	=INDEX($A$4:$H$28, MATCH($K$8,$D$4:$D$28,FALSE),8)

Please select the ssn no. for more detail.

ssn	109-87-6544
lastname	Foster
firstname	Harold