Project - Dynamic Query

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

To Do

Create **drop down list** to filter our table

Performance	Good	**Salary Min**	23000	Salary Avg	$81,063
Gender	M	**Salary Max**	175000	Salary Sum	$648,500

ssn	lastname	firstname	hiredate	salary	gender	performance
109-87-6544	Foster	Harold	8/14/2005	$55,000	M	Good
111-12-1111	Johnson	James	5/3/1996	$47,500	M	Good
333-43-4444	Smith	Frank	1/29/1991	$65,000	M	Good
432-19-8765	Bronson	Paul	11/20/2003	$58,000	M	Good
444-45-4444	Frank	Vernon	4/10/1985	$75,000	M	Good
500-50-0505	Rodriguez	Jose	7/16/1998	$150,000	M	Good
767-74-7373	Martin	William	8/26/2006	$23,000	M	Good
925-45-7116	Whitehead	David	7/25/1980	$175,000	M	Good

DynamicQuery	=QUERY(EMPLOYEEQUERRY, "select * where G = '"&J6&"' AND F = '"&J7&"'")
Salary Min	=MIN(M:M)
Salary Max	=MAX(M:M)
Salary Avg	=AVERAGE(M:M)
Salary Sum	=SUM(M:M)

Project - Convert TH to EN Date							
Lookup Table			**TH Date**	**Day**	**Month**	**Year**	**EN Date**	
ม.ค.	1		12 ธ.ค. 2563	12	12	2563	12-06-1918	
ก.พ.	2		25 พ.ย. 2561	25	11	2561	12-06-1931	
มี.ค.	3		09 ก.ย. 2562	09	9	2562	12-06-1915	
เม.ย.	4		07 ม.ค. 2560	07	1	2560	11-06-1913	
พ.ค.	5		15 เม.ย. 2563	15	4	2563	11-06-1921	
มิ.ย.	6		06 มิ.ย. 2563	06	6	2563	11-06-1912	
ก.ค.	7							
ส.ค.	8		**DAY**	=ArrayFormula(REGEXEXTRACT(D4:D9,"\d+"))				
ก.ย.	9		**MONTH**	=ARRAYFORMULA(VLOOKUP(TRIM(MID(D4:D9,4,5)),$A$4:$B$15,2,FALSE))				
ต.ค.	10		**YEAR**	=ArrayFormula(REGEXEXTRACT(D4:D9,"\d.+ (\d+)"))				
พ.ย.	11		**EN DATE**	=ArrayFormula(DATE(E4:E9,F4,G4-543))				
ธ.ค.	12							

Project – ID Card Parser	Parse Data/ Information									
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	Mr.	John	David	20 Sep 1988	34	67 Bangkok Thailand	10560	31 Dec 2020	TRUE
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	Miss.	Carry	Anna	18 Jan 1995	28	967 Tokyo Japan	10880	25 Apr 2025	FALSE
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	Mr.	Kevin	Demio	14 Feb 1992	31	7878 Washington United States	11155	31 Oct 2020	TRUE
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	Mr.	Stuart	Lonely	20 Sep 1982	40	554 Seoul Korea	89237	31 Mar 2021	FALSE
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	Miss.	Anya	Tayloy	05 May 1985	38	998 London United Kingdom	55387	15 Nov 2022	FALSE
	My Solutions									
	ID	=ArrayFormula(REGEXEXTRACT(A4:A8,"\d-\d{4}-\d{5}-\d{2}-\d"))								
	Gender	=ArrayFormula(REGEXEXTRACT(A4:A8, "M[a-z]+\."))								
	Firstname	=ArrayFormula(REGEXEXTRACT(A4:A8, "M\w+\. (\w\w+)"))								
	Lastname	=ArrayFormula(REGEXEXTRACT(A4:A8, "M\w+\. \w\w+ (\w\w+)"))								
	DOB	=ArrayFormula(REGEXEXTRACT(A4:A8, "Date of Birth (\d+.\w+.\d+)"))								
	Age	=ArrayFormula(DATEDIF(F4:F8, TODAY(), "Y"))								
	Address	=ArrayFormula(REGEXEXTRACT(A4:A8, "Address (\d+ \w+.\w+.\D+)"))								
	Zipcode	=ArrayFormula(REGEXEXTRACT(A4:A8, " \d{5}"))								
	Expired Date	=ArrayFormula(REGEXEXTRACT(A4:A8, "Expired Date (\d+.\w+.\d+)"))								
	Expired This Year	=ArrayFormula(RIGHT(A4:A8,4) = "2020")								

Project - Hamburger Price

ssn	lastname	firstname	hiredate	salary	gender	performance					
000-01-0000	Milgrom	Patricia	10/1/2004	$57,500	F	Average		To Do			
000-02-2222	Adams	Sandy	1/15/2001	$19,500	F	Average		1. Create drop down list of SSN number			
109-87-6543	Wood	Emily	3/12/1997	$69,000	F	Average		2. Create app to select data			
109-87-6544	Foster	Harold	8/14/2005	$55,000	M	Good					
111-12-1111	Johnson	James	5/3/1996	$47,500	M	Good		**SSN**	000-01-0000		
123-45-6789	Coulter	Tracy	2/14/1993	$100,000		Good		**Lastname**	Milgrom	**Gender**	F
222-23-2222	Marlin	Bill	3/28/1977	$125,000	M			**Firstname**	Patricia	**Salary**	$57,500
222-52-5555	Smith	Mary	1/1/2006	$42,500	F	Average					
245-67-8910	Johanson	Sandy	6/2/2005	$69,000	F			**Lastname**	=INDEX($A$4:$G$28,MATCH(J11,$A$4:$A$28,FALSE),2)		
333-34-3333	Manin	Emily	12/1/2000	$49,500	F	Average		**Firstname**	=INDEX($A$4:$G$28,MATCH(J8,$A$4:$A$28,FALSE),3)		
333-43-4444	Smith	Frank	1/29/1991	$65,000	M	Good		**Gender**	=INDEX($A$4:$G$28,MATCH(J8,$A$4:$A$28,FALSE),6)		
333-66-1234	Brown	Marietta	3/7/2001	$18,500	F	Poor		**Salary**	=INDEX($A$4:$G$28,MATCH(J8,$A$4:$A$28,FALSE),5)		
335-55-5533	Jones	Holly	4/8/1986	$65,000	F	Good					
432-19-8765	Bronson	Paul	11/20/2003	$58,000	M	Good					
444-45-4444	Frank	Vernon	4/10/1985	$75,000	M	Good					
464-64-4466	Webster	David	1/29/1991	$58,500	M	Poor					
500-50-0505	Rodriguez	Jose	7/16/1998	$150,000	M	Good					
555-22-3333	Rubin	Patricia	7/25/2003	$45,000	F	Average					
555-56-5555	Charles	Kenneth	6/18/1998	$40,000	M	Poor					
612-99-1111	Roberts	Melissa	5/14/1984	$79,000	F	Good					
625-62-6262	Holmes	Holly	6/15/1992	$55,000	F	Average					
767-74-7373	Martin	William	8/26/2006	$23,000	M	Good					
776-67-6666	Adamson	David	10/4/2002	$52,000	M	Poor					
777-78-7777	Marder	Kelly	9/25/1997	$38,500	F	Average					
925-45-7116	Whitehead	David	7/25/1980	$175,000	M	Good					

Project – Google Translate		
Language Support	https://cloud.google.com/translate/docs/languages	
Original Text	**Select target language**	
I want to eat pizza	ฉันอยากกินพิซซ่า	=GOOGLETRANSLATE(B5,"auto", "th")
ピザが食べたい	ฉันอยากกินพิซซ่า	=GOOGLETRANSLATE(B6,"auto", "th")
나는 피자를 먹고 싶다	ฉันอยากกินพิซซ่า	=GOOGLETRANSLATE(B7,"auto", "th")
我想吃比薩餅	ฉันอยากกินพิซซ่า	=GOOGLETRANSLATE(B8,"auto", "th")
https://cdn-icons-png.flaticon.com/512/4065/4065958.png		