

## Sprint 01 Spreadsheet

- Dynamic Query

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	M	Good
222-23-2222	Marlin	Bill	3/28/1977	\$125,000	M	Average
222-52-5555	Smith	Mary	1/1/2006	\$42,500	F	Average
245-67-8910	Johanson	Sandy	6/2/2005	\$69,000	F	Average
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

- Converting Date

Project - Convert TH to EN Date							
Lookup Table			TH Date	Day	Month	Year	EN Date
ม.ค.	1		12 ธ.ค. 2563	12	ธ.ค.	2020	2020-12-12
ก.พ.	2		25 พ.ย. 2561	25	พ.ย.	2018	2018-11-25
มี.ค.	3		09 ก.ย. 2562	09	ก.ย.	2019	2019-09-09
เม.ย.	4		07 ม.ค. 2560	07	ม.ค.	2017	2017-01-07
พ.ค.	5		15 เม.ย. 2563	15	เม.ย.	2020	2020-04-15
มิ.ย.	6		06 มิ.ย. 2563	06	มิ.ย.	2020	2020-06-06
ก.ค.	7						
ส.ค.	8						
ก.ย.	9		Day	=ArrayFormula(left(D4:D9,2))			
ต.ค.	10		Month	=ArrayFormula(REGEXEXTRACT(D4:D9,"[0-9] ([ก-๙]+\. [ก-๙]\.))")			
พ.ย.	11		Year	=ArrayFormula(RIGHT(D4:D9,4)-543)			
ธ.ค.	12		EN Date	=DATE(G4,VLOOKUP(F4,\$A\$4:\$B\$15,2,0),E4)			

- ID Card Parser

Project - ID Card Parser										
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 2020	FALSE
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 2025	FALSE
ID 1-2222-03874-23-6 Mr. Kevin Demio Date of Birth 14 Feb 1992 Address 78/8 Washington United States 11155 Expired Date 31 Oct 2020	1-2222-03874-23-6	Male	Kevin	Demio	14 Feb 1992		30 7878 Washington United	11155	31 Oct 2020	FALSE
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 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	Female	Anya	Tayloy	05 May 1985		37 998 London United	55387	15 Nov 2022	TRUE
My solutions										
ID	=ArrayFormula(REGEXEXTRACT(A4:A8, "[0-9]-[0-9][4]-[0-9][5]-[0-9][2]-[0-9]"))									
Gender	=ArrayFormula(IF(REGEXEXTRACT(A4:A8, "M[a-z]+"), "Mr.", "Male"; "Female"))									
Firstname	=ArrayFormula(REGEXEXTRACT(A4:A8, "M[a-z]+", (A4:A8) & " (A4:A8)"))									
Lastname	=ArrayFormula(REGEXEXTRACT(A4:A8, "M[a-z]+", (A4:A8) & " (A4:A8)"))									
DOB	=ArrayFormula(REGEXEXTRACT(A4:A8, "Date of Birth ([0-9][2] [A-Za-z]+ [0-9][4])"))									
Age	=ArrayFormula(DATEDIF(F4:F8, TODAY(), "Y"))									
Address	=ArrayFormula(REGEXEXTRACT(A4:A8, "Address ([0-9]+ [A-Za-z]+ [A-Za-z]+)"))									
Zipcode	=ArrayFormula(TRIM(REGEXEXTRACT(A4:A8, "d[5]")))									
Expired Date	=ArrayFormula(REGEXEXTRACT(A4:A8, "Expired Date ([d2] \w[3] \d[4])"))									
Expired This Year	=ArrayFormula(REGEXMATCH(J4:J8, "2022"))									