

Project - Dynamic Query

- Raw data

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

- Create **drop down list** for using with query function

SALARY	MIN salary	MAX salary	gender	performance
Between	40000	100000	Female	Average

- Create **query function** to filter our table

ssn	lastname	firstname	hiredate	salary	gender	performance
000-01-0000	Milgrom	Patricia	2004-10-01	\$57,500	Female	Average
222-52-5555	Smith	Mary	2006-01-01	\$42,500	Female	Average
333-34-3333	Manin	Emily	2000-12-01	\$49,500	Female	Average
555-22-3333	Rubin	Patricia	2003-07-25	\$45,000	Female	Average
625-62-6262	Holmes	Holly	1992-06-15	\$55,000	Female	Average

```
=IFERROR(QUERY(EMPLOYEES,
"SELECT *
WHERE "
& IF(I6="All", "1=1",
SWITCH(I6,
"Less than", "E < " & J6,
"Greater than", "E > " & J6,
"Less than or Equal to", "E <= " & J6,
"Greater than or Equal to", "E >= " & J6,
"Between", "E >= " & J6 & " AND E <= " & K6)
) & "
AND " & IF(L6="All", "1=1", "F = '" & L6 & "'") & "
AND " & IF(M6="All", "1=1", "G = '" & M6 & "'")
),
"Data Not Found"
)
```