

Introducción a bases de datos

Sesión 2

Adrian González Pardo

15 de mayo de 2021

1. Ejemplos

```
1 # Ejemplo 1
2 SELECT * FROM empleado WHERE nombre LIKE 'M%';
3 # +-----+-----+-----+-----+-----+-----+
4 # | id_empleado | id_puesto | nombre | apellido_paterno | apellido_materno | rfc |
5 # +-----+-----+-----+-----+-----+-----+
6 # | 2 | 659 | Morey | Bowskill | Metham | SAUJ115055X38 |
7 # | 21 | 317 | Melanie | Wiffield | Darque | ETSG302043I33 |
8 # | 30 | 258 | Mirabella | Murden | Bexon | QDHW540143A35 |
9 # | 53 | 209 | Millie | Gorden | Lammerich | IXHY474580G35 |
10 # | 71 | 656 | Matty | Rouse | Ogle | RLCA504782Z45 |
11 # | 80 | 743 | Moss | Robinette | Tredwell | YSDU292875Y06 |
12 # | 81 | 648 | Mikael | Crambie | Lenthall | QZPJ646758J42 |
13 # | 84 | 918 | Mable | Glading | Ridgley | KMFL104112F59 |
14 # | 89 | 251 | Mychal | Wahlberg | Troyes | ZXTE901978E72 |
15 # | 90 | 258 | Michaeline | Stolli | Hamer | NLKQ487540S39 |
16 # | 96 | 516 | Maynard | Derycot | Arendsen | SHVQ947385Y01 |
17 # | 106 | 32 | Mozes | Proudlock | Abbet | DGVE237432Y55 |
18 # | 110 | 764 | Maribel | Chevolleau | Dumini | WOAD845005I23 |
19 # | 117 | 938 | Mallory | MacKall | Bride | ECLW395996003 |
20 # | 127 | 244 | Malorie | Killoran | Vasyukhnov | BGUQ096578Q54 |
21 # | 144 | 848 | Madella | Escalero | Wenzel | LHVZ394607R96 |
22 # | 173 | 629 | Morganne | Curley | Riha | YKTV750494Q75 |
23 # | 174 | 258 | Melantha | Ginny | Wolfindale | HPDY799736A62 |
24 # | 179 | 635 | Mahmud | Skett | Idwal Evans | NMTJ149483093 |
25 # | 202 | 775 | Martita | Baroux | Pitway | GWAX539164M60 |
26 # | 219 | 45 | Mabelle | Sheddian | Murden | XOHU952304A00 |
27 # | 225 | 199 | Merrily | Lidell | Medford | WEDY188315Q89 |
28 # | 227 | 510 | Mireielle | Liddyard | Bretland | XSJW578402Z73 |
29 # | 240 | 29 | Milton | Haselgrove | Sommers | OXGV797366G65 |
30 # | 242 | 632 | Mike | Dutton | Cruce | HLKA554264P87 |
31 # | 268 | 854 | Maryjane | Hanning | Parcells | FEJL157406B08 |
32 # | 294 | 649 | Myrle | Stratley | Ouldcott | WPYB370652W57 |
33 # | 296 | 174 | Margaret | Ramalho | Allsop | CANG985212V77 |
34 # | 300 | 428 | Matilda | Colquhoun | Inge | SUJM985549E80 |
35 # | 311 | 448 | Meredith | Johnsson | Reditt | OQWE115570X82 |
36 # | 312 | 48 | Moselle | Sharrocks | Lally | GOZB937786A21 |
37 # | 356 | 605 | Melosa | Spavins | Hesse | FDJP585948D78 |
38 # | 361 | 4 | Maxy | Udden | Kose | MBZF302490Y06 |
39 # | 368 | 713 | Murdoch | Middas | Marcinkus | MAPT815858G04 |
40 # | 370 | 163 | Meghann | Dougary | Partleton | OXWK562466E31 |
41 # | 371 | 213 | Max | Paula | Trotton | BMLV834299A55 |
42 # | 372 | 197 | Marion | Manchester | Colton | JERB913667S17 |
43 # | 376 | 665 | Mil | Penddareth | Lethcoe | GWFT211396G57 |
44 # | 384 | 743 | Mechelle | Weller | Piper | RPEV372597E42 |
45 # | 387 | 68 | Marguerite | Corbie | Durnan | WVDR219915Q07 |
46 # | 398 | 548 | Maribelle | Van Daalen | Pigford | XGPK492502I58 |
47 # | 419 | 125 | Milka | Benninck | Le Sieur | UNSA091919X38 |
48 # | 439 | 728 | Milt | Melhuish | Ashbe | FJRN940065D97 |
49 # | 441 | 450 | Myrilla | Hathaway | Thebe | OYTF089854067 |
50 # | 443 | 310 | Marillin | Schult | Wyman | CIWM419350063 |
51 # | 444 | 698 | Mathilde | Muggach | Barrington | PWVH268494F28 |
52 # | 446 | 171 | Moyna | Yeatman | Duffrie | PBUK517962J58 |
```

```

53 # | 455 | 138 | Mair | Ivey | Craighill | QVNI559213K54 |
54 # | 468 | 321 | Malinde | Cato | Dyhouse | ZOVJ142322X40 |
55 # | 496 | 749 | Michel | Pethick | Denerley | KHDR197504U08 |
56 # | 499 | 111 | Margarethe | Barden | Gooke | CYFJ741944I28 |
57 # | 542 | 919 | Martainn | Knaggs | Claridge | HYAN268701C61 |
58 # | 544 | 617 | Massimo | Blaine | Acors | KQHW767970S13 |
59 # | 567 | 240 | Merrie | Lamperd | Widdall | IRBD092580T41 |
60 # | 574 | 889 | Margaretha | Woodrow | Van der Son | RVDQ721468F14 |
61 # | 580 | 589 | Marietta | Rupert | Foggarty | VXNT468062Y38 |
62 # | 598 | 570 | Melicent | Bowen | Hawford | LIHD524049J06 |
63 # | 631 | 904 | Myer | Dymont | Coupman | TQRL486157D18 |
64 # | 632 | 203 | Melania | Beels | Rizzolo | ZTSF980067V84 |
65 # | 642 | 434 | Mela | Oakenfull | Lanmeid | UXGQ962492V26 |
66 # | 652 | 995 | Merle | Greengrass | Skain | ULQK727963M26 |
67 # | 656 | 819 | Maxie | Mitcheson | Urry | POBQ646025Y91 |
68 # | 667 | 499 | Minna | Willcott | Yendall | PZJG071133Z25 |
69 # | 675 | 850 | Myca | Joao | Banghe | GNXL987206R43 |
70 # | 682 | 144 | Mignonne | Baszniak | Tremaine | KNOE553489Q79 |
71 # | 689 | 724 | Merrie | Dorot | Carss | BIJX140491Z44 |
72 # | 691 | 197 | Miguelita | Gyrgorcewicx | Baitson | FHUQ255183C40 |
73 # | 693 | 812 | Marcellina | Rennebach | O'Fairy | KSXC084833K49 |
74 # | 702 | 120 | Marketa | Marcone | Lalley | BOWR779925S05 |
75 # | 705 | 250 | Myrtie | Lemery | Utterson | NDXL549390U39 |
76 # | 721 | 62 | Mitchael | Gillson | Kroon | BHML727914V05 |
77 # | 731 | 418 | Moina | Yesson | Jellyman | ZBHV480356S19 |
78 # | 733 | 905 | Marla | Morison | Radbone | GINF874329W18 |
79 # | 738 | 24 | Meridith | Rydeard | Kolyagin | OEDI422661W72 |
80 # | 747 | 465 | Miguelita | Grimsdyke | Nardi | SUWQ930882K31 |
81 # | 763 | 945 | Margareta | McElwee | Venediktov | QNGU443101F44 |
82 # | 765 | 427 | Maryellen | Parkisson | Itzkovici | HYW0934761B24 |
83 # | 768 | 372 | Melinda | Rawet | Blow | GFQI220932Q89 |
84 # | 774 | 697 | Matthus | Greedier | Schaffel | HFUI494687Q40 |
85 # | 781 | 850 | Monika | Baytrop | Wilne | SBZX438327K92 |
86 # | 784 | 398 | Madeleine | Covely | O'Loughane | BWPL456191H70 |
87 # | 813 | 345 | Michal | Trengrouse | Sermin | SNYQ097775M27 |
88 # | 820 | 130 | Melodee | Kilmurry | Harbisher | IFMQ480717K67 |
89 # | 836 | 224 | Merv | Pratten | Pohl | TGUD141805N25 |
90 # | 841 | 540 | Mason | Lorentzen | Tregust | JXPT837114V85 |
91 # | 848 | 877 | Monro | Gavrielli | Bruckstein | ETJZ187838Z27 |
92 # | 859 | 143 | Martyn | Jorn | Frogley | VNPX210818D37 |
93 # | 871 | 15 | Morse | Culpin | Gatcliff | NQME098397D30 |
94 # | 873 | 286 | Marten | Carefull | Kelberer | OYCG954523V84 |
95 # | 896 | 650 | Maurise | Danzey | Dimitru | HEQD720455L39 |
96 # | 899 | 449 | Monty | Rolland | Woolvett | FVRT845816K12 |
97 # | 912 | 868 | Mano | Petrulis | Guilder | XBNR827036M42 |
98 # | 914 | 153 | Maurise | Spratley | Bener | OCUR946138Z92 |
99 # | 922 | 366 | Meggi | Threadgall | Dayly | OYLI920516W10 |
100 # | 926 | 457 | Meyer | Ziemecki | Skae | AXFG115443G12 |
101 # | 959 | 450 | Menard | Pow | Enochsson | LVZ0866427F13 |
102 # | 973 | 799 | Merell | Blore | Rijkeseis | FEC0887425Y85 |
103 # | 990 | 862 | Margi | Sinkin | Lawford | VEHA568806I92 |
104 # | 993 | 719 | Merrel | Furzey | Benech | NPGA941789A17 |
105 # +-----+-----+-----+-----+-----+-----+
106 # 99 rows in set (0.12 sec)
107
108
109 SELECT * FROM empleado WHERE nombre LIKE '%a';
110 # +-----+-----+-----+-----+-----+-----+
111 # | id_empleado | id_puesto | nombre | apellido_paterno | apellido_materno | rfc |
112 # +-----+-----+-----+-----+-----+-----+
113 # | 1 | 235 | Enrichetta | Bodechon | Ivkovic | CLKQ293450Y89 |
114 # | 16 | 146 | Yulma | Biskupek | Gallety | LEXT995305G96 |
115 # | 29 | 594 | Klara | Issatt | Plampeyn | NWU0816774Z70 |
116 # | 30 | 258 | Mirabella | Murden | Bexon | QDHW540143A35 |
117 # | 38 | 62 | Allina | Mea | O'Bradain | OLKX206084U54 |
118 # | 44 | 584 | Susana | Polack | Fermor | OHJB687925X00 |
119 # | 48 | 452 | Decca | McAlinden | Signorelli | VINB499630H31 |
120 # | 51 | 264 | Joshua | Emes | Theze | NSPZ195280H40 |
121 # | 60 | 532 | Guinna | Troughton | Daubney | DHLW940247W65 |
122 # | 68 | 853 | Aurelia | Lissandre | Stedman | WFFVQ405975J58 |
123 # | 74 | 62 | Ofelia | Schimank | Gamon | POKQ786943H81 |

```

124	#	87	702	Luciana	Broadbridge	Wickey	WVEG877882C28
125	#	101	272	Zelma	Seefus	Gresley	LSPB214787J14
126	#	103	233	Sada	Tenwick	Connachan	SDYB597883E65
127	#	104	94	Feliza	Morston	Scawn	CAXP093406B51
128	#	113	14	Agneta	Vicary	Bateson	KUNS092257C26
129	#	114	37	Vivia	Sharpling	Dickman	ZUAD515720N91
130	#	116	940	Nana	Baumler	Lyte	CNZF786183P53
131	#	135	110	Sylvia	Stenner	Jouaneton	CZRF470924J45
132	#	137	561	Bethena	Joly	Faldo	QKZE472918F72
133	#	141	763	Hyacinthia	Petz	Cirlos	KBE0062275Y23
134	#	144	848	Madella	Escalero	Wenzel	LHVZ394607R96
135	#	148	209	Teirtza	Slack	Beloe	TWNE896154J25
136	#	150	242	Theodosia	Tomane	Cooper	WOJC577448N95
137	#	154	427	Neda	Bogays	Loosley	FYCB281953F12
138	#	155	490	Rubina	Branigan	Chumley	APWG607752U21
139	#	156	119	Goldina	Fickling	Huton	NEPW286884H49
140	#	161	726	Ariana	Waldera	Olerenshaw	ZXHN369980U53
141	#	166	6	Della	Fulbrook	Harrie	APGJ840909W11
142	#	174	258	Melantha	Ginni	Wolfendale	HPDY799736A62
143	#	176	155	Jehanna	Schmuhl	Spight	GHKU089385S95
144	#	181	491	Hermia	MacConnal	Gavey	LUCB737962C47
145	#	182	926	Cacla	Tolefree	Chatto	KJQD081108R47
146	#	187	282	Ema	Itzkovich	Duthie	FRXW526637M66
147	#	190	581	Adrea	Kingston	Rawle	ANVO858924Z92
148	#	191	661	Sonia	Raiment	Youster	AXVC766731B10
149	#	202	775	Martita	Baroux	Pitway	GWAX539164M60
150	#	203	248	Feodora	Gough	Natalie	QDVX992804D67
151	#	204	912	Irita	Laurie	Thompstone	PCVS688880G66
152	#	206	6	Katya	Banbridge	Fossitt	ELAY505814Q48
153	#	216	362	Phyllida	Mathan	Bittlestone	SGQ0273998B88
154	#	226	209	Bellina	Elwill	Revey	OKEA355243B15
155	#	231	484	Agnola	Shutler	Clendennen	CEHO015106G68
156	#	254	408	Hermia	Batho	Behrens	WYDZ580769F19
157	#	259	955	Trisha	Brooke	Attarge	IUL0681220H65
158	#	264	390	Odessa	Grubbe	Friday	JQBZ698868N69
159	#	270	908	Elfrida	Saunier	Caudray	FVGT541978A33
160	#	281	380	Claudia	Cammish	Dmitriev	PFJI356855W02
161	#	291	95	Allegra	Ciepluch	Sidsaff	NSRM333041N84
162	#	300	428	Matilda	Colquhoun	Inge	SUJM985549E80
163	#	302	817	Angelika	Kember	Klesl	DVWH453301E30
164	#	303	561	Petrina	Dowglass	Tottle	PQEC462614Q84
165	#	309	360	Corina	Piwell	Gross	RNWT294210I40
166	#	314	300	Catlaina	Saines	Barttrum	VMBH558627F42
167	#	324	649	Brigitta	Pitkeathly	Cluely	HSJV922677F86
168	#	333	731	Prisca	Beresford	Congdon	RZGT674132U20
169	#	338	606	Albina	Boylard	Collens	TPJV121605B24
170	#	340	248	Daria	Reuter	Nowland	WOLK390698L94
171	#	347	858	Rhianna	Randlesome	Sturr	OAQX878390D72
172	#	351	751	Conchita	Catling	Okie	EOXD289370Y81
173	#	356	605	Melosa	Spavins	Hesse	FDJP585948D78
174	#	357	410	Gavra	Bette	Cozins	YQLV431781I98
175	#	362	478	Ariella	Crake	Blunsden	NJSM002269V68
176	#	366	184	Correna	Webburn	Tiery	ESPL266091F14
177	#	369	339	Giuditta	Chicchetto	Helbeck	NMFW494417N54
178	#	377	468	Rasla	Brou	Burlingham	VZUD996301F42
179	#	378	200	Damita	Fishburn	Rait	WQZR682964E50
180	#	382	196	Sonya	Aldcorn	Crofts	REGA338960L43
181	#	388	924	Giuditta	Domelow	Brum	LTQK598004S92
182	#	389	396	Chiarra	Feldbrin	Malt	CDTS611416025
183	#	391	354	Quintina	Semper	Dwelly	VSDU274785Y76
184	#	402	74	Othilia	Signe	Wadforth	TPEU887063N71
185	#	403	367	Adora	Slowcock	Ceschelli	HJIN868748B84
186	#	405	138	Emalia	Stirrip	Woodeson	QYSL651483Z78
187	#	412	789	Orsa	Knappitt	Lemanu	MYIR323187W36
188	#	413	433	Juliana	Gecke	Guille	WVTI176350P68
189	#	417	124	Odella	Grenshiels	Padfield	IAVF216772E32
190	#	419	125	Milka	Benninck	Le Sieur	UNSA091919X38
191	#	420	690	Jacquenetta	Broggelli	Flacknell	MDYG190806F87
192	#	423	65	Nikola	Trouncer	Twigge	TMIC021452S09
193	#	432	207	Hestia	Barlace	Aimer	ASXM428955E06
194	#	441	450	Myrilla	Hathaway	Thebe	OYTF089854067

195	#	442	717	Rubia	McChesney	Ellaman	QKSH780732L50
196	#	445	626	Aarika	Pinder	Ramard	OWHI207507L50
197	#	446	171	Moyna	Yeatman	Duffrie	PBUK517962J58
198	#	470	868	Lolita	Elloit	Ghion	VRPG236311X99
199	#	474	346	Ofilia	Chestle	Tinston	NSTY101576D12
200	#	475	428	Tarra	Duckham	Filchakov	UCBK992247L18
201	#	476	197	Helaina	Sire	Mascall	UPJX396352B86
202	#	479	546	Johnna	Lamping	Parcells	XGNM863838T12
203	#	484	783	Leshia	Dutt	Childers	PUSQ132716A88
204	#	487	428	Charlotta	Padbery	Shellsheere	DGSR197987M39
205	#	491	179	Adrianna	Kirkland	Potteril	MAIL000696B20
206	#	495	410	Genna	Causton	Edmett	AYMG189843033
207	#	498	946	Blancha	Miko	Dalla	RMT820682R11
208	#	505	286	Guillema	Prentice	Wethers	ZGTS218924U73
209	#	546	930	Amalia	Leglise	Spinke	MVCP113829B05
210	#	549	185	Lydia	Hainge	Sumbler	JMOA547185W26
211	#	550	512	Koressa	Eustice	Pogue	QKST857657F50
212	#	551	753	Gloria	Godbert	Robbel	OLHY352557V75
213	#	553	730	Bernadina	Salvador	Kerans	MWYN896771E17
214	#	564	687	Trina	Wollrauch	Ramey	ZEYJ527376S78
215	#	569	871	Arlana	Fanstone	Brothers	TARG400578M92
216	#	571	865	Nora	O'Suaird	MacAskie	LKTM863284G29
217	#	574	889	Margaretha	Woodrow	Van der Son	RVDQ721468F14
218	#	579	748	Sada	Madle	Neath	XRAN981788T74
219	#	580	589	Marietta	Rupert	Foggarty	VXNT468062Y38
220	#	583	864	Alyosha	Foottit	Hankey	KUXG434650N64
221	#	584	331	Kylila	MacNeilly	Bonner	FALC555993A58
222	#	587	857	Sidonia	Rooson	Kneel	AJPM216956L73
223	#	593	495	Gratiana	Edelheit	Gask	ENCF292706Y39
224	#	596	741	Zenia	Gearing	Barajas	HKC0655558I12
225	#	600	415	Teresita	Knipe	Boreham	IVJL637432F66
226	#	607	943	Grazia	Hordell	Simonaitis	ZJRT089940A46
227	#	617	618	Orella	Blankett	Tabord	ISKN351640P30
228	#	624	299	Lara	Tamplin	Tolchard	OZIP916792K89
229	#	630	492	Annadiana	Yurukhin	McEttigen	CIVG929907U72
230	#	632	203	Melania	Beels	Rizzolo	ZTSF980067V84
231	#	635	57	Giacinta	Rentilll	Dallan	MFTB406398G41
232	#	638	699	Stella	Florentine	Wellard	MQOX597488R77
233	#	640	583	Katina	Lepick	Peeters	MYTF104594021
234	#	641	664	Essa	Charte	Raubenheimer	NJAB526219K75
235	#	642	434	Mela	Oakenfull	Lanmeid	UXGQ962492V26
236	#	646	321	Franciska	McClosch	Ronald	WSTC262334S83
237	#	647	708	Zora	Lindsay	Tofanelli	JEQS715894Y48
238	#	653	113	Reba	Morshead	Goakes	BIPN747304U48
239	#	654	901	Bea	Allaway	Haggata	SWKX540681V20
240	#	658	523	Petronia	Yeabsley	Airdrie	KYQB494566B37
241	#	667	499	Minna	Willcott	Yendall	PZJG071133Z25
242	#	668	57	Karia	Lardiner	Jobb	PQWH192716P51
243	#	673	93	Lissa	Reschke	Sheringham	WVIS504842F31
244	#	675	850	Myca	Joao	Banghe	GNXL987206R43
245	#	677	711	Lenka	Latham	Wyeth	BIGW500163K51
246	#	680	882	Arlana	Merioth	Sellar	EFOW416889B20
247	#	691	197	Miguelita	Gyrgorcowicx	Baitson	FHUQ255183C40
248	#	693	812	Marcellina	Rennebach	O'Fairry	KSXC084833K49
249	#	701	712	Odetta	Turpey	Saterweyte	MZDP838003U97
250	#	702	120	Marketa	Marcone	Lalley	BOWR779925S05
251	#	709	939	Almeda	Goodship	Scroxton	FCPY021086T81
252	#	711	691	Eustacia	Hallet	Orrell	AVPK310066T87
253	#	715	906	Lelia	Dabourne	Mossop	GHDW677979U76
254	#	724	729	Sondra	Brownill	Haggerty	JHWQ625311N70
255	#	731	418	Moina	Yesson	Jellyman	ZBHV480356S19
256	#	732	614	Delphinia	Cumes	Powderham	DYXA987932L39
257	#	733	905	Marla	Morison	Radbone	GINF874329W18
258	#	737	536	Correna	Dudleston	Rudyard	XAYM530480R40
259	#	739	701	Elicia	Hatch	Chuck	MPDF042882A21
260	#	741	216	Charita	Levi	Habbergham	ETJM050841M79
261	#	744	32	Dulciana	Livick	Downton	ENLG744684D91
262	#	747	465	Miguelita	Grimsdyke	Nardi	SUWQ930882K31
263	#	751	932	Dorotea	Lyle	Polsin	FUGR421058A88
264	#	761	895	Arabela	Rice	Geikie	RUZJ847792Y79
265	#	763	945	Margareta	McElwee	Venediktov	QNGU443101F44

266	#	767	874	Estella	Ledgley	Battye	ONAT292293W96
267	#	768	372	Melinda	Rawet	Blow	GFQI220932Q89
268	#	779	508	Clarita	Mechi	Yanshonok	TXDH210317W14
269	#	780	241	Rheta	Gascar	Balf	ANRQ358836W30
270	#	781	850	Monika	Baytrop	Wilne	SBZX438327K92
271	#	790	762	Tedda	Hopfner	Brockman	OEMG184798E78
272	#	792	425	Harrietta	MacAllen	Roblin	VGZS342735B58
273	#	799	537	Inna	Simmell	Castano	WIOP470151T36
274	#	801	820	Peria	Ruppel	Thomassen	DWQV008520A29
275	#	803	713	Rena	Arthurs	Dutton	MWGD080670Y64
276	#	804	899	Krystyna	Overstone	Lesley	KPQZ626712D74
277	#	811	33	Amelina	Greenfield	Jolliffe	LPRX842249C60
278	#	814	106	Sephira	Burberye	Brookz	HSTF641931F96
279	#	817	704	Augusta	MacCheyne	Hellens	XTGY210508F32
280	#	821	246	Helsa	Bootherstone	McIlenna	QWDR379920M52
281	#	822	187	Camila	Calow	Peagrim	GPWC735831D26
282	#	825	706	Amata	Whitta	McKinlay	UXKJ881358Z96
283	#	849	949	Gelya	Mottley	De Pero	IEAJ077316D41
284	#	856	557	Velma	Phillimore	Geck	LD0F647212L80
285	#	879	388	Reena	Chaplyn	Skingle	ENXH084879A42
286	#	883	567	Lira	Haxley	Petrovsky	XVU0908133P99
287	#	887	846	Babita	Cramp	Peete	SGYX618085C34
288	#	891	228	Rebecca	Simecek	Lecky	ZJHC109922Z77
289	#	892	842	Lucinda	Avrahamov	Scafe	NVIJ806580A41
290	#	895	331	Lorinda	Le land	Livick	QHPM116044Z95
291	#	903	864	Frederica	Duffield	Kollas	SWDT671919I65
292	#	905	347	Allianora	Proschek	Betje	LHWT257752Z85
293	#	911	482	Aurelia	Stepto	Yetton	PCAV885315T66
294	#	916	342	Valentia	Vinten	Tripney	HUWA662653L44
295	#	918	293	Emelda	Pinfold	Frankes	SWKB305932063
296	#	921	350	Antonina	Piotrowski	Posen	XNUY925922P47
297	#	929	989	Orsa	Angeli	Haszard	WTLA351176X54
298	#	930	928	Rebecka	Rushworth	Sofe	XEGT256077M10
299	#	936	54	Austina	Melhuish	Ounsworth	OCRP896435Y34
300	#	938	182	Rycca	MacKellen	Lee	QZFM233330L10
301	#	939	725	Oneida	Carnall	Lavell	TNKA969901040
302	#	940	692	Corena	Davy	Fraczak	DPYI148640R59
303	#	943	263	Celka	Helder	Maberley	TDRA365570I31
304	#	945	963	Elaina	Cordes	Danilov	DJRY290427T78
305	#	946	92	Felisha	Heales	Josephson	CXIR097305C29
306	#	961	597	Annadiana	Hulme	Witherington	TZVA911739F02
307	#	963	664	Ronda	Kall	Bollis	PMER485165B79
308	#	964	907	Serena	Janczewski	Coatham	WZRX125411Z83
309	#	967	160	Saundra	Knight	Grunbaum	EJIA947174G94
310	#	978	499	Isabella	Diter	Sebastian	VBNZ945061Q36
311	#	981	184	Stevana	Marchington	Fonquernie	XCRT471505X85
312	#	992	91	Bella	Devo	Saxelby	LNQS778477I84
313	#	997	489	Latashia	Sircomb	Insall	MUHK107670P13
314	#	-----					
315	#	201 rows in set (0.12 sec)					
316							
317							
318		SELECT * FROM empleado WHERE nombre LIKE 'M%a';					
319	#	-----					
320	#	id_empleado	id_puesto	nombre	apellido_paterno	apellido_materno	rfc
321	#	-----					
322	#	30	258	Mirabella	Murden	Bexon	QDHW540143A35
323	#	144	848	Madella	Escalero	Wenzel	LHVZ394607R96
324	#	174	258	Melantha	Ginni	Wolfindale	HPDY799736A62
325	#	202	775	Martita	Baroux	Pitway	GWAX539164M60
326	#	300	428	Matilda	Colquhoun	Inge	SUJM985549E80
327	#	356	605	Melosa	Spavins	Hesse	FDJP585948D78
328	#	419	125	Milka	Benninck	Le Sieur	UNSA091919X38
329	#	441	450	Myrilla	Hathaway	Thebe	OYTF089854067
330	#	446	171	Moyna	Yeatman	Duffrie	PBUK517962J58
331	#	574	889	Margaretha	Woodrow	Van der Son	RVDQ721468F14
332	#	580	589	Marietta	Rupert	Foggarty	VXNT468062Y38
333	#	632	203	Melania	Beels	Rizzolo	ZTSF980067V84
334	#	642	434	Mela	Oakenfull	Lanmeid	UXGQ962492V26
335	#	667	499	Minna	Willcott	Yendall	PZJG071133Z25
336	#	675	850	Myca	Joao	Banghe	GNXL987206R43

```

337 # |          691 |          197 | Miguelita | Gyrgorcewicx | Baitson | FHUQ255183C40 |
338 # |          693 |          812 | Marcellina | Rennebach | O'Fairy | KSXC084833K49 |
339 # |          702 |          120 | Marketa | Marccone | Lalley | BOWR779925S05 |
340 # |          731 |          418 | Moina | Yesson | Jellyman | ZBHV480356S19 |
341 # |          733 |          905 | Marla | Morison | Radbone | GINF874329W18 |
342 # |          747 |          465 | Miguelita | Grimsdyke | Nardi | SUWQ930882K31 |
343 # |          763 |          945 | Margareta | McElwee | Venediktov | QNGU443101F44 |
344 # |          768 |          372 | Melinda | Rawet | Blow | GFQI220932Q89 |
345 # |          781 |          850 | Monika | Baytrop | Wilne | SBZX438327K92 |
346 # +-----+-----+-----+-----+-----+-----+
347 # 24 rows in set (0.11 sec)
348
349
350 SELECT * FROM empleado WHERE nombre LIKE 'M_losa';
351 # +-----+-----+-----+-----+-----+-----+
352 # | id_empleado | id_puesto | nombre | apellido_paterno | apellido_materno | rfc |
353 # +-----+-----+-----+-----+-----+-----+
354 # |          356 |          605 | Melosa | Spavins | Hesse | FDJP585948D78 |
355 # +-----+-----+-----+-----+-----+-----+
356 # 1 row in set (0.11 sec)

```



```

1 # Ejemplo 2
2 SELECT (1 + 7) * (10 / (6 - 4));
3 # +-----+
4 # | (1 + 7) * (10 / (6 - 4)) |
5 # +-----+
6 # |          40.0000 |
7 # +-----+
8 # 1 row in set (0.11 sec)
9
10 SELECT avg(precio) FROM articulo;
11 # +-----+
12 # | avg(precio) |
13 # +-----+
14 # | 3512.7309399999986 |
15 # +-----+
16 # 1 row in set (0.11 sec)
17
18
19 SELECT count(*) FROM articulo;
20 # +-----+
21 # | count(*) |
22 # +-----+
23 # |          1000 |
24 # +-----+
25 # 1 row in set (0.13 sec)
26
27
28 SELECT max(precio) FROM articulo;
29 # +-----+
30 # | max(precio) |
31 # +-----+
32 # |          6997.58 |
33 # +-----+
34 # 1 row in set (0.11 sec)
35
36
37 SELECT min(precio) FROM articulo;
38 # +-----+
39 # | min(precio) |
40 # +-----+
41 # |          11.19 |
42 # +-----+
43 # 1 row in set (0.12 sec)
44
45
46 SELECT sum(precio) FROM articulo;
47 # +-----+
48 # | sum(precio) |
49 # +-----+
50 # | 3512730.9399999985 |

```



```

51 # +-----+
52 # 1 row in set (0.11 sec)

# Ejemplo 3
2 SELECT nombre, sum(precio) AS total FROM articulo GROUP BY nombre;
3 # 840 rows in set (0.23 sec)
4
5
6 SELECT nombre, count(*) AS cantidad FROM articulo GROUP BY nombre ORDER BY cantidad DESC;
7 # 840 rows in set (0.23 sec)
8
9
10 SELECT nombre, min(salario) AS menor, max(salario) AS mayor FROM puesto GROUP BY nombre;
11 # 181 rows in set (0.23 sec)

# Ejemplo 4
2 SELECT id_puesto FROM puesto WHERE nombre = 'Junior Executive';
3 # +-----+
4 # | id_puesto |
5 # +-----+
6 # |      2 |
7 # |     79 |
8 # |    152 |
9 # |    161 |
10 # |    392 |
11 # |    511 |
12 # |    725 |
13 # |    948 |
14 # +-----+
15 # 8 rows in set (0.11 sec)

16
17
18 SELECT * FROM empleado WHERE id_puesto IN (SELECT id_puesto FROM puesto WHERE nombre = '
    Junior Executive');
19 # +-----+ +-----+ +-----+ +-----+ +-----+ +-----+ +-----+
20 # | id_empleado | id_puesto | nombre | apellido_paterno | apellido_materno | rfc |
21 # +-----+ +-----+ +-----+ +-----+ +-----+ +-----+ +-----+
22 # |      119 |      79 | Cad | Sambedge | Goulborn | | EAGM298123A66 |
23 # |      465 |      79 | Ranice | Halpin | Moughton | | QXWD548036T39 |
24 # |      183 |    511 | Torrence | Kimble | Isherwood | | JGXP387072N64 |
25 # |      626 |    511 | Alix | Reede | Gait | | TWPQ415158S07 |
26 # |      489 |    725 | Corey | Merryman | Rude | | ZAMX585180Z05 |
27 # |      939 |    725 | Oneida | Carnall | Lavell | | TNKA969901040 |
28 # |      364 |    948 | Ermin | Davidow | Catonnet | | QEAG951705M07 |
29 # +-----+ +-----+ +-----+ +-----+ +-----+ +-----+ +-----+
30 # 7 rows in set (0.11 sec)
31
32
33
34 SELECT clave, id_articulo, count(*) AS cantidad FROM venta GROUP BY clave, id_articulo ORDER BY
    clave;
35 # 969 rows in set (0.22 sec)
36
37
38 SELECT id_articulo, min(cantidad), max(cantidad) FROM (SELECT clave, id_articulo, count(*) AS
    cantidad FROM venta GROUP BY clave, id_articulo ORDER BY clave) AS subconsulta GROUP BY
    id_articulo;
39 # 618 rows in set (0.11 sec)
40
41
42 SELECT nombre, apellido_paterno, (SELECT salario FROM puesto WHERE id_puesto = e.id_puesto) AS
    sueldo FROM empleado AS e;
43 # 1000 rows in set (0.22 sec)

```

2. Retos

```
1 # Reto 1
2 SELECT*FROM articulo WHERE nombre LIKE "Pasta%";
3 # +-----+
4 # | id_articulo | nombre | precio | iva | cantidad |
5 # +-----+
6 # |          2 | Pasta - Angel Hair | 4391.73 | 959.51 | 503 |
7 # |          27 | Pasta - Elbows, Macaroni, Dry | 3668.7 | 253.66 | 392 |
8 # |          70 | Pasta - Shells, Medium, Dry | 801.74 | 773.8 | 206 |
9 # |          91 | Pasta - Cheese / Spinach Bauletta | 5811.44 | 619.36 | 15 |
10 # |         134 | Pasta - Orzo, Dry | 6537.91 | 1113.99 | 906 |
11 # |         213 | Pasta - Rotini, Colour, Dry | 1830.13 | 373.98 | 309 |
12 # |         233 | Pasta - Cannelloni, Sheets, Fresh | 2316.37 | 605.55 | 307 |
13 # |         327 | Pasta - Cappellini, Dry | 6994.49 | 766.18 | 828 |
14 # |         361 | Pasta - Penne, Rigate, Dry | 2222.62 | 584.88 | 276 |
15 # |         426 | Pasta - Cappellini, Dry | 2417.66 | 1088.42 | 411 |
16 # |         431 | Pasta - Orzo, Dry | 806.33 | 495.92 | 142 |
17 # |         570 | Pasta - Penne, Lisce, Dry | 2141.06 | 809.94 | 88 |
18 # |         600 | Pasta - Ravioli | 6504.48 | 612.67 | 15 |
19 # |         655 | Pasta - Fettuccine, Dry | 5369.44 | 314.75 | 344 |
20 # |         750 | Pasta - Bauletta, Chicken White | 1365.92 | 786.09 | 701 |
21 # |         855 | Pasta - Tortellini, Fresh | 708.96 | 61.74 | 38 |
22 # |         994 | Pasta - Detalini, White, Fresh | 6445.34 | 737.63 | 238 |
23 # +-----+
24 # 17 rows in set (0.11 sec)
25
26
27 SELECT*FROM articulo WHERE nombre LIKE "%Cannelloni%";
28 # +-----+
29 # | id_articulo | nombre | precio | iva | cantidad |
30 # +-----+
31 # |          233 | Pasta - Cannelloni, Sheets, Fresh | 2316.37 | 605.55 | 307 |
32 # +-----+
33 # 1 row in set (0.11 sec)
34
35
36 SELECT*FROM articulo WHERE nombre LIKE "% - %";
37 # 767 row in set (0.11 sec)

1 # Reto 2
2 SELECT AVG(salario) FROM puesto;
3 # +-----+
4 # | AVG(salario) |
5 # +-----+
6 # | 19595.051179999973 |
7 # +-----+
8 # 1 row in set (0.11 sec)
9
10
11 SELECT COUNT(*) FROM articulo WHERE nombre LIKE "%Pasta%";
12 # +-----+
13 # | COUNT(*) |
14 # +-----+
15 # |          17 |
16 # +-----+
17 # 1 row in set (0.11 sec)
18
19
20 SELECT MIN(salario), MAX(salario) FROM puesto;
21 # +-----+
22 # | MIN(salario) | MAX(salario) |
23 # +-----+
24 # |          10013.44 |          29996.58 |
25 # +-----+
26 # 1 row in set (0.11 sec)
27
28
29 SELECT SUM(Salario) FROM (SELECT salario as Salario FROM puesto ORDER BY id_puesto DESC LIMIT 5)
    as Sal;
30 # +-----+
```



```

31 # | SUM(Salario) |
32 # +-----+
33 # |      79690.05 |
34 # +-----+
35 # 1 row in set (0.11 sec)

```

```

1 # Reto 3
2 SELECT nombre as Puesto, count(*) as Cantidad FROM puesto GROUP BY nombre;
3 # 181 rows in set (0.11 sec)
4
5
6 SELECT nombre as Puesto, SUM(salario) FROM puesto GROUP BY nombre;
7 # 181 rows in set (0.11 sec)
8
9
10 SELECT id_empleado AS Empleado, COUNT(*) AS nVentas FROM venta GROUP BY id_empleado;
11 # 642 rows in set (0.11 sec)
12
13
14 SELECT id_articulo AS Articulo, COUNT(*) AS nVentas FROM venta GROUP BY id_articulo;
15 # 618 rows in set (0.11 sec)

```

```

1 # Reto 3
2 SELECT nombre as Puesto, count(*) as Cantidad FROM puesto GROUP BY nombre;
3 # 181 rows in set (0.11 sec)
4
5
6 SELECT nombre as Puesto, SUM(salario) FROM puesto GROUP BY nombre;
7 # 181 rows in set (0.11 sec)
8
9
10 SELECT id_empleado AS Empleado, COUNT(*) AS nVentas FROM venta GROUP BY id_empleado;
11 # 642 rows in set (0.11 sec)
12
13
14 SELECT id_articulo AS Articulo, COUNT(*) AS nVentas FROM venta GROUP BY id_articulo;
15 # 618 rows in set (0.11 sec)

```

3. Ejercicio

```
1 USE classicmodels;
2 # 1
3 SELECT employeeNumber, lastName, firstName FROM employees WHERE firstName LIKE "A%";
4 # +-----+-----+-----+
5 # | employeeNumber | lastName | firstName |
6 # +-----+-----+-----+
7 # |           1143 | Bow     | Anthony  |
8 # |           1611 | Fixter  | Andy     |
9 # +-----+-----+-----+
10 # 2 rows in set (0.12 sec)
11
12 # 2
13 SELECT employeeNumber, lastName, firstName FROM employees WHERE lastName LIKE "%on";
14 # +-----+-----+-----+
15 # | employeeNumber | lastName | firstName |
16 # +-----+-----+-----+
17 # |           1056 | Patterson | Mary      |
18 # |           1088 | Patterson | William   |
19 # |           1166 | Thompson  | Leslie    |
20 # |           1216 | Patterson | Steve     |
21 # +-----+-----+-----+
22 # 4 rows in set (0.11 sec)
23
24 # 3
25 SELECT employeeNumber, lastName, firstName FROM employees WHERE firstName LIKE "%on%";
26 # +-----+-----+-----+
27 # | employeeNumber | lastName | firstName |
28 # +-----+-----+-----+
29 # |           1143 | Bow     | Anthony  |
30 # |           1286 | Tseng   | Foon Yue  |
31 # +-----+-----+-----+
32 # 2 rows in set (0.11 sec)
33
34 # 4
35 SELECT employeeNumber, lastName, firstName FROM employees WHERE firstName LIKE "G_____";
36 # +-----+-----+-----+
37 # | employeeNumber | lastName | firstName |
38 # +-----+-----+-----+
39 # |           1102 | Bondur  | Gerard    |
40 # |           1323 | Vanauf  | George    |
41 # |           1370 | Hernandez | Gerard    |
42 # +-----+-----+-----+
43 # 3 rows in set (0.11 sec)
44
45 # 5
46 SELECT employeeNumber, lastName, firstName FROM employees WHERE firstName NOT LIKE "B%";
47 # +-----+-----+-----+
48 # | employeeNumber | lastName | firstName |
49 # +-----+-----+-----+
50 # |           1002 | Murphy  | Diane     |
51 # |           1056 | Patterson | Mary      |
52 # |           1076 | Firrelli | Jeff      |
53 # |           1088 | Patterson | William   |
54 # |           1102 | Bondur  | Gerard    |
55 # |           1143 | Bow     | Anthony  |
56 # |           1165 | Jennings | Leslie    |
57 # |           1166 | Thompson | Leslie    |
58 # |           1188 | Firrelli | Julie     |
59 # |           1216 | Patterson | Steve     |
60 # |           1286 | Tseng   | Foon Yue  |
61 # |           1323 | Vanauf  | George    |
62 # |           1337 | Bondur  | Loui      |
63 # |           1370 | Hernandez | Gerard    |
64 # |           1401 | Castillo | Pamela    |
65 # |           1501 | Bott    | Larry     |
66 # |           1611 | Fixter  | Andy      |
67 # |           1612 | Marsh   | Peter     |
68 # |           1619 | King    | Tom       |
69 # |           1621 | Nishi   | Mami      |
```

```

70 # |          1625 | Kato      | Yoshimi  |
71 # |          1702 | Gerard   | Martin   |
72 # +-----+
73 # 22 rows in set (0.11 sec)
74
75 # 6
76 SELECT productCode, productName FROM products WHERE productCode LIKE "%\_20%";
77 # +-----+
78 # | productCode | productName |
79 # +-----+
80 # | S10_2016    | 1996 Moto Guzzi 1100i |
81 # | S24_2000    | 1960 BSA Gold Star DBD34 |
82 # | S24_2011    | 18th century schooner |
83 # | S24_2022    | 1938 Cadillac V-16 Presidential Limousine |
84 # | S700_2047   | HMS Bounty |
85 # +-----+
86 # 5 rows in set (0.11 sec)
87
88 # 7
89 SELECT orderNumber, sum(priceEach) as Total FROM orderdetails GROUP BY orderNumber;
90 # 326 rows in set (0.11 sec)
91
92 # 8
93 SELECT YEAR(orderDate) year, COUNT(*) FROM orders GROUP BY year;
94 # +-----+
95 # | year | COUNT(*) |
96 # +-----+
97 # | 2003 | 111 |
98 # | 2004 | 151 |
99 # | 2005 | 64 |
100 # +-----+
101 # 3 rows in set (0.11 sec)
102
103 # 9
104 SELECT lastName, firstName FROM employees WHERE officeCode IN (SELECT officeCode FROM offices
WHERE country LIKE 'USA');
105 # +-----+
106 # | lastName | firstName |
107 # +-----+
108 # | Murphy  | Diane    |
109 # | Patterson | Mary    |
110 # | Firrelli | Jeff    |
111 # | Bow      | Anthony  |
112 # | Jennings | Leslie   |
113 # | Thompson  | Leslie   |
114 # | Firrelli | Julie    |
115 # | Patterson | Steve    |
116 # | Tseng     | Foon Yue |
117 # | Vanauf    | George   |
118 # +-----+
119 # 10 rows in set (0.11 sec)
120
121 # 10
122 SELECT customerNumber, checkNumber, amount FROM payments WHERE amount=(SELECT max(amount) FROM
payments);
123 # +-----+
124 # | customerNumber | checkNumber | amount |
125 # +-----+
126 # |          141 | JE105477   | 120166.58 |
127 # +-----+
128 # 1 row in set (0.11 sec)
129
130 # 11
131 SELECT customerNumber, checkNumber, amount FROM payments WHERE amount>(SELECT AVG(amount) FROM
payments);
132 # 134 rows in set (0.11 sec)
133
134 # 12
135 SELECT customerName FROM customers WHERE customerNumber NOT IN (SELECT customerNumber FROM orders)
;
136 # +-----+

```

```

137 # | customerName |
138 # +-----+
139 # | Havel & Zbyszek Co |
140 # | American Souvenirs Inc |
141 # | Porto Imports Co. |
142 # | Asian Shopping Network, Co |
143 # | Nat rlich Autos |
144 # | ANG Resellers |
145 # | Messner Shopping Network |
146 # | Franken Gifts, Co |
147 # | BG&E Collectables |
148 # | Schuyler Imports |
149 # | Der Hund Imports |
150 # | Cramer Spezialit ten, Ltd |
151 # | Asian Treasures, Inc. |
152 # | SAR Distributors, Co |
153 # | Kommission Auto |
154 # | Lisboa Souvenirs, Inc |
155 # | Precious Collectables |
156 # | Stuttgart Collectable Exchange |
157 # | Feuer Online Stores, Inc |
158 # | Warburg Exchange |
159 # | Anton Designs, Ltd. |
160 # | Mit Vergn gen & Co. |
161 # | Kremlin Collectables, Co. |
162 # | Raanan Stores, Inc |
163 # +-----+
164 # 24 rows in set (0.11 sec)
165
166 # 13
167 SELECT MAX(quantityOrdered) as Maximo, MIN(quantityOrdered) as Minimo, AVG(quantityOrdered) FROM
orderdetails;
168 # +-----+-----+-----+
169 # | Maximo | Minimo | AVG(quantityOrdered) |
170 # +-----+-----+-----+
171 # | 97 | 6 | 35.2190 |
172 # +-----+-----+-----+
173 # 1 row in set (0.11 sec)
174
175 # 14
176 SELECT status, COUNT(*) as Cantidad FROM orders GROUP BY status;
177 # +-----+-----+
178 # | status | Cantidad |
179 # +-----+-----+
180 # | Shipped | 303 |
181 # | Resolved | 4 |
182 # | Cancelled | 6 |
183 # | On Hold | 4 |
184 # | Disputed | 3 |
185 # | In Process | 6 |
186 # +-----+-----+
187 # 6 rows in set (0.11 sec)

```