Luna McBride

Project 1

1. Select * from offices;

officeCode	city	phone	addressLine1	addressLine2	state	country	postalCode	territory
1	San Francisco	+1 650 219 4782	100 Market Street	Suite 300	CA	USA	94080	NA
2	Boston	+1 215 837 0825	1550 Court Place	Suite 102	MA	USA	02107	NA
3	NYC	+1 212 555 3000	523 East 53rd Street	apt. 5A	NY	USA	10022	NA
4	Paris	+33 14 723 4404	43 Rue Jouffroy D'abbans	NULL	NULL	France	75017	EMEA
5	Tokyo	+81 33 224 5000	4-1 Kioicho	NULL	Chiyoda-Ku	Japan	102-8578	Japan
6	Sydney	+61 2 9264 2451	5-11 Wentworth Avenue	Floor #2	NULL	Australia	NSW 2010	APAC
7	London	+44 20 7877 2041	25 Old Broad Street	Level 7	NULL	UK	EC2N 1HN	EMEA
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2. select employeeNumber, lastName, firstName, extension
   from Employees e, Offices o
   where e.officecode=o.officecode and o.city='Paris';

employeeNumber	lastName	firstName	extension
1102	Bondur	Gerard	x5408
1337	Bondur	Loui	x6493
1370	Hernandez	Gerard	x2028
1401	Castillo	Pamela	x2759
1702	Gerard	Martin	x2312

3. select productcode, productname, productvendor, quantityinstock
   from products
   where productline='Classic Cars' and quantityinstock<7001 and quantityinstock>4999;

productcode	productname	productvendor	quantityinstock
S10_4962	1962 LanciaA Delta 16V	Second Gear Diecast	6791
S12_3148	1969 Corvair Monza	Welly Diecast Productions	6906
S12_3990	1970 Plymouth Hemi Cuda	Studio M Art Models	5663
S18_4027	1970 Triumph Spitfire	Min Lin Diecast	5545
S24_3856	1956 Porsche 356A Coupe	Classic Metal Creations	6600
S24_4048	1992 Porsche Cayenne Turbo Silver	Exoto Designs	6582
S700_2824	1982 Camaro Z28	Carousel DieCast Legends	6934

4. select productcode, productname, productvendor,
   buyprice as productprice, min(msrp) as msrp
   from products;

productcode	productname	productvendor	productprice	msrp
S10_1678	1969 Harley Davidson Ultimate Chopper	Min Lin Diecast	48.81	33.19

5. select productname, max(msrp-buyprice) as profit
   from products;

	productname	profit
▶	1969 Harley Davidson Ultimate Chopper	115.72

6. select country, count(country) as customercount
   from customers
   group by country
   having customercount>4;

	country	customercount
▶	France	12
	USA	36
	Australia	5
	Germany	13
	Spain	7
	UK	5

7. select p.productcode, productname, max(quantityordered) as numberordered
   from products p, orderdetails o
   where p.productcode=o.productcode;

	productcode	productname	numberordered
▶	S10_1678	1969 Harley Davidson Ultimate Chopper	97

8. select employeenumber, concat(firstname, ' ', lastname) as employeename
   from employees
   where reportsto=(
       select employeenumber from employees
           where concat(firstname, ' ', lastname)='Anthony Bow');

	employeenumber	employeename
▶	1165	Leslie Jennings
	1166	Leslie Thompson
	1188	Julie Firrelli
	1216	Steve Patterson
	1286	Foon Yue Tseng
	1323	George Vanauf

9. select employeenumber, lastname, firstname
   from employees
   where reportsto is null;

	employeenumber	lastname	firstname
▶	1002	Murphy	Diane

10. select productname
    from products
    where productname like '195%'
    and productline='Classic Cars';

	productname
▶	1952 Alpine Renault 1300
	1957 Corvette Convertible
	1957 Ford Thunderbird
	1958 Chevy Corvette Limited Edition
	1952 Citroen-15CV
	1956 Porsche 356A Coupe

11. select extract(month from orderdate) as months,
    count(extract(month from orderdate)) as orders
    from orders
    where orderdate like '2003%'
    group by months
    having orders>20;

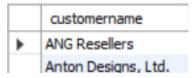|	months	orders
▶	11	30

12. select e.firstname, e.lastname
    from customers c right outer join employees e
    on c.salesrepemployeenumber=e.employeenumber
    where jobtitle='Sales Rep'
    and salesrepemployeenumber is null;

	firstname	lastname
▶	Tom	King
	Yoshimi	Kato

13. select customername
    from customers c left outer join orders o
    on c.customernumber=o.customernumber
    where country='Spain'
    and ordernumber is null;

	customername
▶	ANG Resellers
	Anton Designs, Ltd.

14. select customername, sum(quantityOrdered) as quantity
    from customers c, orders o, orderdetails d
    where c.customernumber=o.customernumber
    and o.ordernumber=d.ordernumber
    group by customername
    having quantity>2000;

customername	quantity
▶ Mini Gifts Distributors Ltd.	6366
Euro+ Shopping Channel	9327

15. create table TopCustomers(
    CustomerNumber Int NOT NULL,
    ContactDate Date NOT NULL,
    OrderTotal Decimal(9,2) NOT NULL,
    constraint TopCustomer_PK primary key (CustomerNumber)
    );

16. insert into topcustomers
    select c.customernumber, current_date(),
        sum(quantityordered*priceeach) as total
        from customers c, orders o, orderdetails d
        where c.customernumber=o.customernumber
        and o.ordernumber=d.ordernumber
        group by c.customernumber
        having total>149999;

17. select * from topcustomers
    order by ordertotal desc;

CustomerNumber	ContactDate	OrderTotal
▶ 141	2018-10-22	820689.54
124	2018-10-22	591827.34
114	2018-10-22	180585.07
151	2018-10-22	177913.95
119	2018-10-22	158573.12
148	2018-10-22	156251.03
323	2018-10-22	154622.08

18. alter table topcustomers
    add column OrderCount int;

19. update topcustomers
    set ordercount=floor(rand()*20);

20. select * from topcustomers
    order by ordercount desc;

CustomerNumber	ContactDate	OrderTotal	OrderCount
151	2018-10-22	177913.95	19
119	2018-10-22	158573.12	18
148	2018-10-22	156251.03	18
141	2018-10-22	820689.54	17
114	2018-10-22	180585.07	3
124	2018-10-22	591827.34	2
323	2018-10-22	154622.08	0

21. drop table topcustomers;