

S02

Notes:

- Use the Bobcat Industries database
- Tables are prefixed with **b_**
- Tables are stored in schema **LCPUBLIC**

1. Display the output below.		
CATEGORY_CODE	CATEGORY_NAME	
-----	-----	
HW	Hardware	
LA	Large Appliances	
SA	Small Appliances	
SG	Sporting Goods	

2. Display the output below.		
CUSTOMER_NAME	CREDIT_LIMIT	BALANCE
-----	-----	-----
Worldwide Digital Inc	60000.00	27560.85
Worldwide Digital Inc	35000.00	18575.75
Worldwide Digital Inc	60000.00	25600.85
Technology R Us	55000.00	40012.50
Star-Mart Store #2177	99000.00	75732.19
Office Depot	31550.00	24201.33
Jerry's Sports	57000.00	13375.85
Frys Electronics	68200.00	41200.70
Everything Electronics	38000.00	24500.75
Everything Electronics	28550.00	23401.25
Digital Junkies	60000.00	25600.85
Big Box Digital	54500.00	34240.20
Big Box Digital	55000.00	41712.17
Big Box Digital	55000.00	30012.50
Best Electronics	30000.00	16000.50
Best Digital Products	42500.00	12860.50
Best Digital Products	37500.00	12375.85
Best Digital Products	42500.00	18600.50
Best Bargain	26000.00	25900.47
Armstrong Digital	25000.00	24900.66
billy's toys	75000.00	57583.65

3. Return description and unit price for products in category SA. Sort unit price in descending order.	
DESCRIPTION	PRICE
-----+-----+	
Portable Canister Cleaner	400.95
Water Cooler	250.00
Microwave Oven	224.95
Extra-large Deep Fryer	189.50
Countertop Oven	169.95
BrewStation 6 Cup Coffeemaker	145.00
Programmable Coffee Maker	125.95
Full Digital Iron	102.95
Stand Mixer	99.95
Brushed Stainless Steel Blender	95.95
Wet/Dry Hand Vacuum	89.95
Iron	69.95
Coffee Maker	59.95
Blender	49.95

4. List all cities where customers are located. Do not include duplicate cities. Sort by city.	
CITY	
-----+	
sAn diEgo	
Amarillo	
Colorado Spring	
Columbia	
Florence	
Fort Gratiot	
Kenoshia	
Lakewood	
Las Vegas	
New Hartford	
Newmarket	
Reno	
Rochester	
San Diego	
Sarnia	
Spartanburg	
Syracuse	
Wisconsin Rapids	

5. Return customer name, credit limit, and balance for customer 130.		
CUSTOMER_NAME	CREDIT_LIMIT	BALANCE
-----+-----+		
Worldwide Digital Inc	35000.00	18575.75

6. Return customer name and available credit (credit limit - balance) for each customer with an available credit > 25000. Use an alias for the available credit. Sort by available credit in descending order.

Customer name	Available credit
-----+	-----+
Jerry's Sports	43624.15
Digital Junkies	34399.15
Worldwide Digital Inc	34399.15
Worldwide Digital Inc	32439.15
Best Digital Products	29639.50
Frys Electronics	26999.30
Best Digital Products	25124.15

7. Return product code and quantity on hand where quantity is between 12 and 32. Sort quantity on hand in descending order.

PRODUCT_CODE	QOH
-----+	-----+
DR93	31
KV29	25
BV06	24
KT03	23
CD52	21
DR93	21
KL62	14
DW11	12
FD21	12

8. Return customer name and address for customers that have a balance between 40,000.00 and 60,000.00. Sort by customer name.

CUSTOMER_NAME	ADDRESS
-----+	-----+
billy's toys	5151 Mission Road San Diego, CA
Big Box Digital	2757 College Avenue San Diego, CA
Frys Electronics	6845 Las Vegas Blvd Las Vegas, NV
Technology R Us	2342 W.250Th St New Hartford, NY

9. Return order date and order id for orders with an order date between 2020-10-20 and 2020-11-20. Sort order id in descending order within order date.

ORDER_DATE	ORDER_ID
-----+	-----+
2020-10-20	1005
2020-11-14	1006
2020-11-15	1007
2020-11-16	1009
2020-11-16	1008

10. Return category code and description for products in categories SA, HW, and LA. Sort by category code.		
CATEGORY_CODE	DESCRIPTION	
-----	-----	
HW	Cordless Drill	
LA	Black Gas-Range	
LA	Washer	
LA	Dryer	
LA	Dishwasher	
LA	Refrigerator	
LA	High Efficiency Top Load Washer	
LA	Stackable Washer and Dryer Combo	
LA	High Efficiency Front Load Washer	
LA	Portable Air Conditioner	
LA	Built-In Dishwasher	
LA	Top Freezer Refrigerator	
LA	Dual Fuel Range	
LA	Freestanding Gas Range	
LA	3-piece Stainless Appliance Package	
LA	Self-Clean Smooth-Top Stainless Range	
LA	Chest Freezer	
LA	Side-By-Side Stainless Steel Refrigerator	
SA	Iron	
SA	Microwave Oven	
SA	Stand Mixer	
SA	Coffee Maker	
SA	Portable Canister Cleaner	
SA	Wet/Dry Hand Vacuum	
SA	Full Digital Iron	
SA	Brushed Stainless Steel Blender	
SA	BrewStation 6 Cup Coffeemaker	
SA	Extra-large Deep Fryer	
SA	Water Cooler	
SA	Programmable Coffee Maker	
SA	Countertop Oven	
SA	Blender	

11. Return category code and description for products not in categories SA, HW, and LA. Sort by category code.		
CATEGORY_CODE	DESCRIPTION	
-----	-----	
SG	Home Gym	
SG	Treadmill	

12. Return the concatenated name (first and last names) of all sellers that have not been assigned a supervisor. Sort by last_name.	
EMPLOYEE	
-----+	
Terry Manis	

13. Return employees that have a commission > 30000 and are assigned to a supervisor.	
EMPLOYEE	
-----+	
Sandy Black	
Jane White	
Troy Mansion	

14. Return category code and price for the product with the description "Coffee Maker."	
CATEGORY_CODE	PRICE
-----+	-----+
SA	59.95

15. Return the following for each product that has an inventory > 40. Sort by warehouse id.		
WAREHOUSE_ID	PRODUCT_CODE	ON_HAND
-----	-----	-----
1	AT94	43
2	AT94	43
2	DL71	41
3	DW11	42
3	FD21	52
3	KT03	53

16. Return order information where ship date < 2020-10-20. Sort by order id in descending order.		
ORDER_ID	CUSTOMER_ID	SHIP_DATE
-----+	-----+	-----+
1002	110	2020-09-30
1001	120	2020-09-24
1000	100	2020-09-22

17. Return customer id and customer name for each customer whose name begins with the letter "B". Sort by customer name.	
CUSTOMER_ID	CUSTOMER_NAME
-----+	-----+
220	Best Bargain
120	Best Digital Products
230	Best Digital Products
270	Best Digital Products
200	Best Electronics
140	Big Box Digital
150	Big Box Digital
250	Big Box Digital

18. Return the description for each product that contains "Range" in the description. Sort by description.	
DESCRIPTION	
-----+	
Black Gas-Range	
Freestanding Gas Range	
Range with Dual Fuel	
Self-Clean Smooth-Top Stainless Range	

19. Return sellers that contain the letters "s" and "i" in their last name. Sort by last_name.	
NAME	
-----+	
Terry Manis	
Troy Mansion	

20. Return customers that contain the letters "B-i-g" or "B-g-i" in the customer name. Sort by customer name.	
CUSTOMER_NAME	
-----+	
Best Digital Products	
Big Box Digital	
Big Box Digital	
Best Bargain	
Best Digital Products	
Big Box Digital	
Best Digital Products	

21. Return customer name and city for customers in Colorado Springs, Las Vegas, and San Diego. Sort by city.		
CUSTOMER_NAME	CITY	
-----+	-----+	
Best Electronics	Colorado Springs	
Best Bargain	Colorado Springs	
Frys Electronics	Las Vegas	
Jerry's Sports	Las Vegas	
Big Box Digital	San Diego	
billy's toys	San Diego	

22. Display seller id and customer name for customers that are associated with sellers 15, 35, and 65. Sort by customer name within seller id.

SELLER_ID	CUSTOMER_NAME
15	Everything Electronics
15	Everything Electronics
35	Armstrong Digital
35	Best Bargain
35	Best Electronics
35	Big Box Digital
35	Frys Electronics
35	Jerry's Sports
35	Office Depot
35	Worldwide Digital Inc
65	Best Digital Products
65	Worldwide Digital Inc

23. Return customer name and city for customers with a credit limit between 30000 and 60000 and are located in the state of CA (California) or CO (Colorado). Sort by customer name.

CUSTOMER_NAME	CITY
Best Electronics	Colorado Springs
Big Box Digital	San Diego

24. Return product information for products not in category SG. Sort product code within category.

CATEGORY_CODE	PRODUCT_CODE	DESCRIPTION
-----	-----	-----
HW	DL71	Cordless Drill
LA	C136	Portable Air Conditioner
LA	DR93	Gas Range
LA	DW11	Washer
LA	D951	Built-In Dishwasher
LA	F930	Chest Freezer
LA	KL62	Dryer
LA	KT03	Dishwasher
LA	P729	3-piece Stainless Appliance Package
LA	RF23	Refrigerator
LA	R501	Dual Fuel Range
LA	R759	Freestanding Gas Range
LA	R812	Top Freezer Refrigerator
LA	R930	Self-Clean Smooth-Top Stainless Range
LA	R940	Side-By-Side Stainless Steel Refrigerator
LA	W283	Stackable Washer and Dryer Combo
LA	W740	High Efficiency Front Load Washer
LA	W902	High Efficiency Top Load Washer
SA	AT94	Iron
SA	B159	Brushed Stainless Steel Blender
SA	B935	Blender
SA	CD52	Microwave Oven
SA	CM12	Coffee Maker
SA	C730	Programmable Coffee Maker
SA	C812	BrewStation 6 Cup Coffeemaker
SA	C832	Portable Canister Cleaner
SA	FD21	Stand Mixer
SA	F246	Extra-large Deep Fryer
SA	I192	Full Digital Iron
SA	O639	Countertop Oven
SA	V438	Wet/Dry Hand Vacuum
SA	W940	Water Cooler

25. Return order id, product code, quantity, price paid, and extended price (quantity * price paid) for all products ordered. Sort by extended price in descending order.

ORDER_ID	PRODUCT_CODE	NUM_ORDERED	PRICE_PAID	EXTENDED_PRICE
1009	KV29	2	1290.00	2580.00
1007	BV06	2	794.95	1589.90
1005	KL62	4	329.95	1319.80
1000	DW11	3	399.99	1199.97
1006	KT03	2	595.00	1190.00
1000	KL62	2	349.95	699.90
1001	CD52	2	349.95	699.90
1007	CD52	4	150.00	600.00
1000	DR93	1	495.00	495.00
1001	KL62	1	495.00	495.00
1002	KT03	1	495.00	495.00
1003	KT03	1	495.00	495.00
1004	DR93	1	495.00	495.00
1008	DR93	1	495.00	495.00
1004	DW11	1	399.99	399.99
1000	CD52	2	165.00	330.00
1001	AT94	2	165.00	330.00
1002	KV29	2	165.00	330.00
1003	AT94	11	21.95	241.45