No 1 Query (as Plain Text)	select m.customer_name,z.loan_number from customer m,borrower z,loan k where m.customer_id=z.customer_id and z.loan_number=k.loan_number and k.branch_name='Downtown';
| No 1 SS (of Query & Output in Shell) | ```
select m.customer_name,z.loan_number from customer m,borrower z,loan k
where m.customer_id=z.customer_id and z.loan_number=k.loan_number
  and k.branch_name='Downtown';
``` <br><br> customer_name / loan_number: Johnson L-14, Jones L-17, Williams L-17 |
| | |
| No 2 Query (as Plain Text) | select m1.customer_name,m2.customer_name,m1.customer_city from customer m1, customer m2 where m1.customer_city = m2.customer_city and m1.customer_id < m2.customer_id; |
| No 2 SS (of Query & Output in Shell) | ```
select m1.customer_name,m2.customer_name,m1.customer_city from customer m1, customer m2
where m1.customer_city = m2.customer_city and m1.customer_id < m2.customer_id;
``` |

customer_name	customer_name	customer_city
Jones	Hayes	Harrison
Smith	Curry	Rye
Lindsay	Adams	Pittsfield
Turner	Green	Stamford

No 3 Query **(as Plain Text)**	SELECT x.branch_name, SUM(x.balance * 0.04) from account x group by x.branch_name;
| **No 3 SS**<br>**(of Query & Output in Shell)** | ```
1   SELECT x.branch_name, SUM(x.balance * 0.04) from account x group by x.branch_name;
```<br><br>| branch_name | SUM(x.balance * 0.04) |<br>|---|---|<br>| Brighton | 66.00 |<br>| Downtown | 20.00 |<br>| Mianus | 28.00 |<br>| Perryridge | 16.00 |<br>| Redwood | 28.00 |<br>| Round Hill | 14.00 | |
| | |
| **No 4 Query**
(as Plain Text) | select x.account_number,y.branch_city from account x,branch y
  where x.branch_name = y.branch_name and
  (y.branch_city, x.balance) in
    (select y.branch_city, max(x.balance) from account x,branch y
      where x.branch_name = y.branch_name group by y.branch_city); |

No 4 SS (of Query & Output in Shell)	
| | ```
1  select x.account_number,y.branch_city from account x,branch y
2     where x.branch_name = y.branch_name and
3     (y.branch_city, x.balance) in
4       (select y.branch_city, max(x.balance) from account x,branch y
5          where x.branch_name = y.branch_name group by y.branch_city);
6
``` |

account_number	branch_city
A-201	Brooklyn
A-215	Horseneck
A-222	Palo Alto

No 5 Query (as Plain Text)	select k.loan_number, k.amount, m.customer_name from loan k,borrower z,customer m where k.loan_number = z.loan_number and z.customer_id = m.customer_id order by k.amount asc, k.loan_number desc limit 5;

| **No 5 SS**<br>**(of Query & Output**<br>**in Shell)** | ```sql
select k.loan_number, k.amount, m.customer_name from loan k,borrower z,customer m
where k.loan_number = z.loan_number and z.customer_id = m.customer_id
order by k.amount asc, k.loan_number desc limit 5;
```<br><br>| loan_number | amount | customer_name |<br>\|---\|---\|---\|<br>| L-93 | 500 | Curry |<br>| L-11 | 900 | Smith |<br>| L-17 | 1000 | Jones |<br>| L-17 | 1000 | Williams |<br>| L-16 | 1300 | Adams | |
| | |
| **No 6 Query**
(as Plain Text) | SELECT DISTINCT m.customer_name
FROM customer m, depositor a, account x, borrower z, loan q
WHERE m.customer_id = a.customer_id
  AND a.account_number = x.account_number
  AND m.customer_id = z.customer_id
  AND z.loan_number = q.loan_number
  AND x.branch_name = 'Perryridge' |

	AND q.branch_name = 'Perryridge';
| **No 6 SS**<br>**(of Query & Output**<br>**in Shell)** | ```sql
1 v SELECT DISTINCT m.customer_name
2   FROM customer m, depositor a, account x, borrower z, loan q
3   WHERE m.customer_id = a.customer_id
4     AND a.account_number = x.account_number
5     AND m.customer_id = z.customer_id
6     AND z.loan_number = q.loan_number
7     AND x.branch_name = 'Perryridge'
8     AND q.branch_name = 'Perryridge';
9
```<br><br>customer_name<br>Hayes |
| **No 7 Query**
(as Plain Text) | SELECT m.customer_name, SUM(q.amount)
FROM customer m, borrower z, loan q
WHERE m.customer_id = z.customer_id
 AND z.loan_number = q.loan_number
GROUP BY m.customer_id, m.customer_name
HAVING COUNT(*) >= 2; |

**No 7 SS
(of Query & Output
in Shell)**

```
1 v  SELECT m.customer_name, SUM(q.amount)
2    FROM customer m, borrower z, loan q
3    WHERE m.customer_id = z.customer_id
4      AND z.loan_number = q.loan_number
5    GROUP BY m.customer_id, m.customer_name
6    HAVING COUNT(*) >= 2;
7
```

customer_name	SUM(q.amount)
Smith	2900