

Homework #6

5.6

```
CREATE TRIGGER insert_branch_cust
AFTER INSERT ON account
FOR EACH ROW
BEGIN
    INSERT INTO branch_cust(branch_name, customer_name)
    SELECT NEW.branch_name, depositor.customer_name
    FROM depositor
    WHERE NEW.account_number = depositor.account_number;
END;

CREATE TRIGGER insert_branch_cust
AFTER INSERT ON depositor
FOR EACH ROW
BEGIN
    INSERT INTO branch_cust(branch_name, customer_name)
    SELECT account.branch_name, NEW.customer_name
    FROM account
    WHERE NEW.account_number = account.account_number;
END;
```

5.15

```
CREATE FUNCTION avg_salary(company_name VARCHAR(30))
RETURNS REAL
BEGIN
    DECLARE avg_num REAL;
    SELECT AVG(salary) INTO avg_num
    from works
    where works.company_name = company_name;
    RETURN avg_num;
END;

SELECT DISTINCT company_name
from works
WHERE avg_salary(company_name) > avg('First Bank');
```

5.19

删除 s 中某个元组，其主键对应 r 中的元组也会被删除