CREATE TABLE category

(

cid INT PRIMARY KEY AUTO\_INCREMENT,

cname VARCHAR(20)

);

CREATE TABLE film

(

fid INT PRIMARY KEY AUTO\_INCREMENT,

fname VARCHAR(20),

director VARCHAR(20), #导演

price DECIMAL(10,2),

showtime DATE,

cid INT,

FOREIGN KEY(cid) REFERENCES category(cid)

);

CREATE TABLE USER

(

uid INT PRIMARY KEY AUTO\_INCREMENT,

uname VARCHAR(20),

birthday DATE,

gender ENUM('男','女'),

address VARCHAR(20),

cellphone CHAR(11)

);

CREATE TABLE user\_category

(

uid INT,

cid INT,

FOREIGN KEY(uid) REFERENCES USER(uid),

FOREIGN KEY(cid) REFERENCES category(cid),

PRIMARY KEY(uid,cid)

);

CREATE TABLE emp

(

eid INT PRIMARY KEY AUTO\_INCREMENT,

ename VARCHAR(20),

gender ENUM('男','女'),

hiredate DATE,

sal DECIMAL(10,2),

address VARCHAR(20)

);

CREATE TABLE sal\_grade

(

gid INT PRIMARY KEY AUTO\_INCREMENT,

minsal DECIMAL(10,2),

maxsal DECIMAL(10,2)

);

CREATE TABLE orders

(

eid INT,

uid INT,

fid INT,

num INT,

odate DATE

);

INSERT INTO category VALUES(NULL, '喜剧');

INSERT INTO category VALUES(NULL, '动作');

INSERT INTO category VALUES(NULL, '悬疑');

INSERT INTO category VALUES(NULL, '恐怖');

INSERT INTO category VALUES(NULL, '科幻');

INSERT INTO category VALUES(NULL, '战争');

INSERT INTO category VALUES(NULL, '爱情');

INSERT INTO category VALUES(NULL, '灾难');

INSERT INTO film VALUES(NULL, '天下无贼','冯小刚',50,'2008-12-12',1);

INSERT INTO film VALUES(NULL, '功夫','周星驰',150,'2009-12-12',2);

INSERT INTO film VALUES(NULL, '大话西游','周星驰',20,'2012-3-12',3);

INSERT INTO film VALUES(NULL, '我不是潘金莲','冯小刚',30,'2007-5-31',1);

INSERT INTO film VALUES(NULL, '道士下山','陈凯歌',40,'2004-8-9',8);

INSERT INTO film VALUES(NULL, '火锅英雄','陈凯歌',60,'2011-11-11',7);

INSERT INTO film VALUES(NULL, '寻龙诀','冯小刚',100,'2007-7-7',7);

INSERT INTO film VALUES(NULL, '老炮儿','陈凯歌',80,'2005-9-2',1);

INSERT INTO film VALUES(NULL, '我是证人','周星驰',90,'2010-10-5',2);

INSERT INTO film VALUES(NULL, '叶问','冯小刚',120,'2012-6-3',3);

INSERT INTO USER VALUES(NULL,'刘欢','1950-1-1','男','北大街','13312345678');

INSERT INTO USER VALUES(NULL,'张学友','1955-2-3','男','南大街','13312345676');

INSERT INTO USER VALUES(NULL,'刘嘉玲','1970-11-21','女','北大街','13312345675');

INSERT INTO USER VALUES(NULL,'李嘉欣','1988-9-3','女','南大街','13312345673');

INSERT INTO USER VALUES(NULL,'刘德华','1953-2-11','男','北大街','13312345672');

INSERT INTO USER VALUES(NULL,'张国立','1999-12-31','男','东大街','13312345671');

INSERT INTO USER VALUES(NULL,'张国荣','1988-3-23','男','西大街','13312345670');

INSERT INTO USER VALUES(NULL,'刘建国','1970-6-22','男','西大街','13312345679');

INSERT INTO user\_category VALUES(1,2);

INSERT INTO user\_category VALUES(1,3);

INSERT INTO user\_category VALUES(2,8);

INSERT INTO user\_category VALUES(3,1);

INSERT INTO user\_category VALUES(3,5);

INSERT INTO user\_category VALUES(3,7);

INSERT INTO user\_category VALUES(2,1);

INSERT INTO user\_category VALUES(1,7);

INSERT INTO user\_category VALUES(8,8);

INSERT INTO user\_category VALUES(8,7);

INSERT INTO user\_category VALUES(5,7);

INSERT INTO user\_category VALUES(5,3);

INSERT INTO user\_category VALUES(2,6);

INSERT INTO user\_category VALUES(7,1);

INSERT INTO user\_category VALUES(7,2);

INSERT INTO user\_category VALUES(7,3);

INSERT INTO emp VALUES(NULL, '郭靖', '男', '2002-2-3',2500,'东大街');

INSERT INTO emp VALUES(NULL, '黄蓉', '女', '2003-12-3',5500,'东大街');

INSERT INTO emp VALUES(NULL, '杨幂', '女', '2002-2-8',8500,'西大街');

INSERT INTO emp VALUES(NULL, '刘诗诗', '女', '2004-4-12',6500,'南大街');

INSERT INTO sal\_grade VALUES(NULL, 1000, 2000);

INSERT INTO sal\_grade VALUES(NULL, 2001, 4000);

INSERT INTO sal\_grade VALUES(NULL, 4001, 5000);

INSERT INTO sal\_grade VALUES(NULL, 5001, 7000);

INSERT INTO sal\_grade VALUES(NULL, 7001, 9000);

INSERT INTO orders VALUES(1,2,10,1,'2016-11-11');

INSERT INTO orders VALUES(2,3,8,2,'2016-2-21');

INSERT INTO orders VALUES(3,7,10,1,'2016-3-21');

INSERT INTO orders VALUES(1,1,7,1,'2016-10-15');

INSERT INTO orders VALUES(1,8,3,1,'2016-2-17');

INSERT INTO orders VALUES(1,7,1,1,'2016-5-18');

INSERT INTO orders VALUES(4,1,1,1,'2016-5-7');

INSERT INTO orders VALUES(4,2,1,1,'2016-5-9');

INSERT INTO orders VALUES(4,3,1,1,'2016-11-10');

INSERT INTO orders VALUES(3,5,10,1,'2016-5-11');

INSERT INTO orders VALUES(2,1,1,1,'2016-7-12');

INSERT INTO orders VALUES(2,1,1,2,'2016-7-13');

INSERT INTO orders VALUES(2,1,1,3,'2016-7-14');

INSERT INTO orders VALUES(2,1,9,5,'2016-8-19');

INSERT INTO orders VALUES(2,1,8,3,'2016-8-4');

INSERT INTO orders VALUES(2,2,5,1,'2016-8-6');

INSERT INTO orders VALUES(2,2,6,1,'2016-1-22');

INSERT INTO orders VALUES(2,2,1,1,'2016-1-11');

INSERT INTO orders VALUES(2,6,3,1,'2016-2-17');

INSERT INTO orders VALUES(2,6,8,2,'2016-3-12');

#1查询价格比2号类型所有电影平均价还低的电影

#2查询张学友喜欢的类型中所有电影的最高价

#3查询所有电影，以及电影对应的类型名，要求显示出所有类型名(mysql没有完全外连接

#4查询价格大于天下无贼的电影中，每部类型各多少电影

#5查询那些员工给那些会员卖了哪些电影

#6查询有回头客的员工

#7查询回头客超过一个的员工（表子查询在mysql中必须起别名，否则报错，orcale中则不需要别名）

#8查询价格比所有喜剧类型的平均价还高的电影

#9查询电影所属类型的平均价（相关子查询）

#10查询价格比1号类型所有电影价格都高的电影

#11查询上映日期比天下无贼晚的电影中，每个导演各多少部电影

#12查询哪些用户都喜欢哪些类型

#13查询喜欢类型超过2种的用户

#14查询从来没有被喜欢过的类型

#15查询喜欢了所有类型的用户

#16查询每个销售人员的销售总额

#17查询每个电影各被卖出多少张

#18查询上映日期比周星驰导演所有电影都晚的电影中，每种类型电影的最低价

#19查询在闰年上映的电影

#20查询上映日期中，月份比日期大的电影

#21查询价格与类型都与‘天下无贼’相同的电影

#22查询最受欢迎的类型

#23查询每个用户各花了多少钱