* создать все указанные таблицы;
* наполнить их данными (как минимум по 100 значений);

create table product(

maker varchar(10),

model varchar(100),

type\_prod varchar(100)

);

insert into product(maker,model, type\_prod) VALUES

('B', 1122, 'PC'),

('A', 1121, 'Laptop'),

('C', 1123, 'Printer'),

('D', 1133, 'PC'),

('E', 1144, 'PC'),

('A', 1124, 'PC'),

('D', 1789, 'Laptop'),

('C', 9999, 'Printer'),

('B', 1722, 'PC'),

('A', 1721, 'Laptop'),

('E', 1723, 'Printer'),

('D', 1733, 'PC'),

('A', 1744, 'PC'),

('A', 1724, 'PC'),

('B', 1889, 'Laptop'),

('C', 9799, 'Printer'),

('B', 1622, 'PC'),

('A', 1621, 'Laptop'),

('C', 1623, 'Printer'),

('D', 1633, 'PC'),

('E', 1144, 'PC'),

('A', 1624, 'PC'),

('D', 1689, 'Laptop'),

('C', 9699, 'Printer'),

('D', 1522, 'PC'),

('A', 1521, 'Laptop'),

('C', 1523, 'Printer'),

('A', 1533, 'PC'),

('E', 1544, 'PC'),

('A', 1524, 'PC'),

('A', 1589, 'Laptop'),

('C', 9599, 'Printer'),

('B', 1422, 'PC'),

('A', 1421, 'Laptop'),

('C', 1423, 'Printer'),

('D', 1433, 'PC'),

('E', 1444, 'PC'),

('A', 1424, 'PC'),

('D', 1489, 'Laptop'),

('C', 9499, 'Printer'),

('A', 1522, 'PC'),

('D', 1521, 'Laptop'),

('E', 1523, 'Printer'),

('D', 1533, 'PC'),

('C', 1544, 'PC'),

('A', 1524, 'PC'),

('D', 1589, 'Laptop'),

('E', 9599, 'Printer'),

('B', 1622, 'PC'),

('C', 1621, 'Laptop'),

('E', 1623, 'Printer'),

('D', 1633, 'PC'),

('A', 1644, 'PC'),

('A', 1624, 'PC'),

('D', 1689, 'Laptop'),

('D', 9699, 'Printer'),

('B', 2122, 'PC'),

('A', 2121, 'Laptop'),

('C', 2123, 'Printer'),

('A', 2133, 'PC'),

('D', 2144, 'PC'),

('E', 2124, 'PC'),

('D', 2789, 'Laptop'),

('C', 2999, 'Printer'),

('B', 3122, 'PC'),

('A', 3121, 'Laptop'),

('A', 3123, 'Printer'),

('D', 3133, 'PC'),

('A', 3144, 'PC'),

('A', 3124, 'PC'),

('D', 3789, 'Laptop'),

('E', 3999, 'Printer'),

('B', 4122, 'PC'),

('E', 4121, 'Laptop'),

('C', 4123, 'Printer'),

('A', 4133, 'PC'),

('E', 4144, 'PC'),

('D', 4124, 'PC'),

('B', 4789, 'Laptop'),

('A', 4999, 'Printer'),

('B', 5122, 'PC'),

('A', 5121, 'Laptop'),

('C', 5123, 'Printer'),

('D', 5133, 'PC'),

('E', 5144, 'PC'),

('A', 5124, 'PC'),

('D', 5789, 'Laptop'),

('C', 5999, 'Printer'),

('B', 6122, 'PC'),

('A', 6121, 'Laptop'),

('C', 6123, 'Printer'),

('D', 6133, 'PC'),

('E', 6144, 'PC'),

('A', 6124, 'PC'),

('D', 6789, 'Laptop'),

('C', 6999, 'Printer'),

('B', 7122, 'PC'),

('C', 7121, 'Laptop'),

('C', 7123, 'Printer'),

('A', 7133, 'PC'),

('E', 7144, 'PC'),

('D', 7124, 'PC'),

('E', 7789, 'Laptop'),

('A', 7999, 'Printer'),

('B', 8122, 'PC'),

('C', 8121, 'Laptop'),

('C', 8123, 'Printer'),

('A', 8133, 'PC'),

('E', 8144, 'PC'),

('D', 8124, 'PC'),

('E', 8789, 'Laptop'),

('A', 8999, 'Printer'),

('B', 9122, 'PC'),

('C', 9121, 'Laptop'),

('C', 9123, 'Printer'),

('A', 9133, 'PC'),

('E', 9144, 'PC'),

('D', 9124, 'PC'),

('E', 9789, 'Laptop'),

('A', 9991, 'Printer'),

('B', 7222, 'PC'),

('C', 7221, 'Laptop'),

('C', 7223, 'Printer'),

('A', 7233, 'PC'),

('E', 7244, 'PC'),

('D', 7224, 'PC'),

('E', 7289, 'Laptop'),

('A', 7299, 'Printer'),

('B', 7322, 'PC'),

('C', 7321, 'Laptop'),

('C', 7323, 'Printer'),

('A', 7333, 'PC'),

('E', 7344, 'PC'),

('D', 7324, 'PC'),

('E', 7389, 'Laptop'),

('A', 7399, 'Printer'),

('B', 7422, 'PC'),

('C', 7421, 'Laptop'),

('C', 7423, 'Printer'),

('A', 7433, 'PC'),

('E', 7444, 'PC'),

('D', 7424, 'PC'),

('E', 7489, 'Laptop'),

('A', 7499, 'Printer'),

('B', 7522, 'PC'),

('C', 7521, 'Laptop'),

('C', 7523, 'Printer'),

('A', 7533, 'PC'),

('E', 7544, 'PC'),

('D', 7524, 'PC'),

('E', 7589, 'Laptop'),

('A', 7599, 'Printer'),

('B', 7622, 'PC'),

('C', 7621, 'Laptop'),

('C', 7623, 'Printer'),

('A', 7633, 'PC'),

('E', 7644, 'PC'),

('D', 7624, 'PC'),

('E', 7689, 'Laptop'),

('A', 7699, 'Printer'),

('B', 7722, 'PC'),

('C', 7721, 'Laptop'),

('C', 7723, 'Printer'),

('A', 7733, 'PC'),

('E', 7744, 'PC'),

('D', 7724, 'PC'),

('E', 7779, 'Laptop'),

('A', 7979, 'Printer'),

('B', 7822, 'PC'),

('C', 7821, 'Laptop'),

('C', 7823, 'Printer'),

('A', 7833, 'PC'),

('E', 7844, 'PC'),

('D', 7824, 'PC'),

('E', 7879, 'Laptop'),

('A', 7239, 'Printer'),

('E', 1111, 'Laptop'),

('A', 1112, 'Printer'),

('B', 1113, 'PC'),

('C', 1114, 'Laptop'),

('C', 1115, 'Printer'),

('A', 1116, 'PC'),

('E', 1117, 'PC'),

('D', 1118, 'PC'),

('E', 1119, 'Laptop'),

('A', 1120, 'Printer'),

('E', 1125, 'Laptop'),

('A', 1126, 'Printer'),

('B', 1127, 'PC'),

('C', 1128, 'Laptop'),

('C', 1129, 'Printer'),

('A', 1130, 'PC'),

('E', 1131, 'PC'),

('D', 1132, 'PC'),

('E', 1133, 'Laptop'),

('A', 1134, 'Printer'),

('E', 1135, 'Laptop'),

('A', 1136, 'Printer'),

('B', 1137, 'PC'),

('C', 1138, 'Laptop'),

('C', 1139, 'Printer'),

('A', 1140, 'PC'),

('E', 1141, 'PC'),

('D', 1142, 'PC'),

('E', 1143, 'Laptop'),

('A', 1144, 'Printer'),

('E', 1145, 'Laptop'),

('A', 1146, 'Printer'),

('B', 1147, 'PC'),

('C', 1148, 'Laptop'),

('C', 1149, 'Printer'),

('A', 1150, 'PC'),

('E', 1151, 'PC'),

('D', 1152, 'PC'),

('E', 1153, 'Laptop'),

('A', 1154, 'Printer'),

('E', 1155, 'Laptop'),

('A', 1156, 'Printer'),

('B', 1157, 'PC'),

('C', 1158, 'Laptop'),

('C', 1159, 'Printer'),

('A', 1160, 'PC'),

('E', 1162, 'PC'),

('D', 1163, 'PC'),

('E', 1164, 'Laptop'),

('A', 1165, 'Printer'),

('E', 1166, 'Laptop'),

('A', 1167, 'Printer'),

('B', 1168, 'PC'),

('C', 1169, 'Laptop'),

('C', 1170, 'Printer'),

('A', 1171, 'PC'),

('E', 1172, 'PC'),

('D', 1173, 'PC'),

('E', 1174, 'Laptop'),

('A', 1175, 'Printer'),

('D', 1176, 'PC'),

('D', 1177, 'Laptop'),

('A', 1178, 'Printer'),

('F', 1179, 'Laptop'),

('E', 1180, 'Printer'),

('B', 1181, 'Laptop'),

('C', 1182, 'Printer'),

('D', 1183, 'Laptop'),

('A', 1184, 'Printer'),

('F', 1185, 'Laptop'),

('E', 1186, 'Printer'),

('B', 1187, 'Laptop'),

('C', 1188, 'Printer'),

('e', 1189, 'Laptop'),

('A', 1190, 'Printer'),

('D', 1191, 'Laptop'),

('E', 1192, 'Printer'),

('C', 1193, 'Laptop'),

('A', 1194, 'Printer'),

('D', 1195, 'Laptop'),

('A', 1196, 'Printer'),

('F', 1197, 'Laptop'),

('E', 1198, 'Printer'),

('A', 1199, 'Laptop'),

('B', 1200, 'Printer'),

('D', 1201, 'Laptop'),

('A', 1202, 'Printer'),

('F', 1203, 'Laptop'),

('E', 1204, 'Printer'),

('B', 1205, 'Laptop'),

('C', 1206, 'Printer'),

('D', 1207, 'Laptop'),

('A', 1208, 'Printer'),

('F', 1209, 'Laptop'),

('E', 1210, 'Printer'),

('B', 1211, 'Laptop'),

('C', 1212, 'Printer'),

('B', 1213, 'Printer'),

('D', 1214, 'Laptop'),

('A', 1215, 'Printer'),

('F', 1216, 'Laptop'),

('E', 1217, 'Printer'),

('B', 1218, 'Laptop'),

('C', 1219, 'Printer'),

('D', 1220, 'Laptop'),

('A', 1221, 'Printer'),

('F', 1222, 'Laptop'),

('E', 1223, 'Printer'),

('B', 1224, 'Laptop'),

('C', 1225, 'Printer'),

('B', 1226, 'Printer'),

('D', 1227, 'Laptop'),

('A', 1228, 'Printer'),

('F', 1229, 'Laptop'),

('E', 1230, 'Printer'),

('B', 1231, 'Laptop'),

('C', 1232, 'Printer'),

('D', 1233, 'Laptop'),

('A', 1234, 'Printer'),

('F', 1235, 'Laptop'),

('E', 1236, 'Printer'),

('B', 1237, 'Laptop'),

('C', 1238, 'Printer'),

('B', 1239, 'Printer'),

('D', 1240, 'Laptop'),

('A', 1241, 'Printer'),

('F', 1242, 'Laptop'),

('E', 1243, 'Printer'),

('B', 1244, 'Laptop'),

('C', 1245, 'Printer'),

('D', 1246, 'Laptop'),

('A', 1247, 'Printer'),

('F', 1248, 'Laptop'),

('E', 1249, 'Printer'),

('B', 1250, 'Laptop'),

('C', 1251, 'Printer'),

('D', 1252, 'Laptop'),

('A', 1253, 'Printer'),

('F', 1254, 'Laptop'),

('E', 1255, 'Printer'),

('B', 1256, 'Laptop'),

('C', 1257, 'Printer'),

('D', 1258, 'Laptop'),

('A', 1259, 'Printer'),

('F', 1260, 'Laptop'),

('E', 1261, 'Printer'),

('B', 1262, 'Laptop'),

('C', 1263, 'Printer'),

('D', 1264, 'Laptop'),

('A', 1265, 'Printer'),

('F', 1266, 'Laptop'),

('E', 1267, 'Printer'),

('B', 1268, 'Laptop'),

('C', 1269, 'Printer'),

('D', 1270, 'Laptop'),

('A', 1271, 'Laptop'),

('F', 1272, 'Laptop'),

('E', 1273, 'Laptop'),

('B', 1274, 'Laptop'),

('C', 1275, 'Laptop'),

('D', 1276, 'Laptop'),

('A', 1277, 'Laptop'),

('D', 1278, 'Laptop'),

('C', 1279, 'Laptop'),

('B', 1280, 'Laptop')

;

create table PC(

code int,

model varchar(100),

speed smallint,

ram smallint,

hd real,

cd varchar(10),

price money

);

insert into PC(code, model, speed, ram, hd, cd, price) VALUES

(1, 1122, 500, 64, 5.0, '12x', 600.0000),

(2, 1133, 1000, 32, 10.0, '12x', 350.0000),

(3, 1144, 500, 64, 5.0, '12x', 500.0000),

(4, 1124, 1000, 32, 10, '24x', 550.0000),

(5, 1722, 1100, 128, 5.0, '64x', 700.0000),

(6, 1733, 500, 64, 5.0, '24x', 580.0000),

(7, 1744, 500, 32, 10.0, '12x', 400.0000),

(8, 1724, 1000, 64, 10.0, '24x', 450.000),

(9, 1622, 1500, 128, 10.0, '64x', 800.000),

(10, 1633, 500, 32, 5.0, '12x', 350.0000),

(11, 1144, 1000, 64, 10.0, '24x', 470.0000),

(12, 1624, 500, 32, 5.0, '12x', 380.0000),

(13, 2122, 1000, 32, 10.0, '32x', 420.0000),

(14, 2133, 1000, 24, 5.0, '12x', 510.0000),

(15, 2144, 500, 12, 10.0, '24x', 480.0000),

(16, 2124, 1000, 24, 5.0, '12x', 390.0000),

(17, 3122, 500, 12, 5.0, '24x', 430.0000),

(18, 3133, 1000, 48, 10, '32x', 770.00000),

(19, 3144, 500, 24, 5.0, '24x', 550.0000),

(20, 3124, 1000, 12, 5.0, '12x', 490.0000),

(21, 4122, 500, 12, 10.0, '24x', 390.0000),

(22, 4133, 1000, 24, 5.0, '12x', 400.0000),

(23, 4144, 500, 12, 10.0, '24x', 450.0000),

(24, 4124, 1000, 24, 5.0, '12x', 460.0000),

(25, 5122, 500, 48, 10.0, '48x', 710.0000),

(26, 4133, 500, 24, 10.0, '24x', 630.0000),

(27, 4144, 1000, 12, 5.0, '12x', 510.0000),

(28, 4124, 500, 24, 10.0, '24x', 520.0000),

(29, 5122, 1000, 12, 5.0, '12x', 555.0000),

(30, 5133, 500, 48, 10.0, '24x', 640.0000),

(31, 5144, 1000, 48, 10.0, '48x', 775.0000),

(32, 5124, 500, 24, 10.0, '12x', 440.0000),

(33, 6122, 500, 12, 5.0, '12x', 390.0000),

(34, 6133, 1000, 24, 10.0, '24x', 410.0000),

(35, 6144, 500, 12, 10.0, '12x', 420.0000),

(36, 6124, 500, 24, 5.0, '24x', 500.0000),

(37, 7122, 1000, 24, 10.0, '48x', 635.0000),

(38, 7133, 500, 12, 5.0, '12x', 360.0000),

(39, 7144, 500, 12, 5.0, '12x', 370.0000),

(40, 7124, 10000, 24, 10.0, '24x', 495.0000),

(41, 8122, 500, 64, 5.0, '12x', 600.0000),

(42, 8133, 1000, 24, 10.0, '24x', 410.0000),

(43, 8144, 1000, 48, 10.0, '48x', 775.0000),

(44, 8124, 500, 12, 5.0, '12x', 360.0000),

(45, 9122, 500, 24, 5.0, '24x', 550.0000),

(46, 9133, 1000, 48, 10, '32x', 770.00000),

(47, 9144, 500, 12, 10.0, '24x', 390.0000),

(48, 9124, 500, 12, 10.0, '24x', 450.0000),

(49, 7222, 1500, 128, 10.0, '64x', 850.000),

(50, 7233, 1000, 24, 5.0, '12x', 450.0000),

(51, 7244, 1100, 128, 5.0, '64x', 700.0000),

(52, 7224, 500, 64, 5.0, '12x', 600.0000),

(53, 7322, 500, 12, 10.0, '24x', 450.0000),

(54, 7333, 1000, 24, 5.0, '12x', 400.0000),

(55, 7344, 500, 24, 10.0, '24x', 530.0000),

(56, 7324, 1000, 12, 5.0, '12x', 545.0000),

(57, 7422, 500, 12, 10.0, '24x', 385.0000),

(58, 7433, 1000, 24, 5.0, '12x', 401.0000),

(59, 7444, 1000, 32, 10.0, '12x', 354.0000),

(60, 7424, 500, 64, 5.0, '12x', 560.0000),

(61, 7522, 1000, 32, 10, '24x', 552.0000),

(62, 7533, 1100, 128, 5.0, '64x', 704.0000),

(63, 7544, 500, 64, 5.0, '24x', 583.0000),

(64, 7524, 500, 32, 10.0, '12x', 401.0000),

(65, 7622, 1000, 64, 10.0, '24x', 457.000),

(66, 7633, 500, 12, 10.0, '24x', 488.0000),

(67, 7644, 1000, 12, 5.0, '12x', 559.0000),

(68, 7624, 1000, 64, 10.0, '24x', 472.0000),

(69, 7722, 500, 24, 10.0, '12x', 446.0000),

(70, 7733, 1000, 48, 10, '32x', 771.00000),

(71, 7744, 500, 64, 5.0, '24x', 587.0000),

(72, 7724, 500, 32, 5.0, '12x', 353.0000),

(73, 7822, 1000, 32, 10.0, '32x', 421.0000),

(74, 7833, 1000, 64, 10.0, '24x', 473.0000),

(75, 7844, 500, 12, 10.0, '24x', 394.0000),

(76, 7824, 500, 32, 10.0, '12x', 405.0000),

(77, 1113, 500, 24, 10.0, '24x', 632.0000),

(78,1116, 1000, 24, 10.0, '24x', 419.0000),

(79,1117, 500, 12, 5.0, '12x', 379.0000),

(80,1118, 1000, 24, 5.0, '12x', 408.0000),

(81,1127, 1000, 24, 5.0, '12x', 410.0000),

(82,1130, 500, 48, 10.0, '24x', 645.0000),

(83,1131, 500, 12, 10.0, '24x', 459.0000),

(84,1132, 500, 32, 10.0, '12x', 418.0000),

(85,1137, 1500, 128, 10.0, '64x', 834.000),

(86,1140, 1500, 128, 10.0, '64x', 815.000),

(87,1141, 1500, 128, 10.0, '64x', 809.000),

(88,1142, 1500, 128, 10.0, '64x', 899.000),

(89,1147, 500, 64, 5.0, '24x', 555.0000),

(90,1150, 500, 64, 5.0, '24x', 577.0000),

(91,1151, 500, 64, 5.0, '24x', 565.0000),

(92,1152, 500, 64, 5.0, '24x', 544.0000),

(93,1160, 1000, 64, 10.0, '24x', 467.0000),

(94,1162, 1000, 64, 10.0, '24x', 500.0000),

(95,1163, 1000, 64, 10.0, '24x', 499.0000),

(96,1168, 1000, 64, 10.0, '24x', 505.0000),

(97,1172, 500, 64, 5.0, '24x', 500.0000),

(98,1173, 500, 64, 5.0, '24x', 495.0000),

(99,1171, 500, 64, 5.0, '24x', 506.0000),

(100,1176, 500, 64, 5.0, '24x', 499.0000)

;

create table Laptop(

code int,

model varchar(50),

speed smallint,

ram smallint,

hd real,

screen smallint,

price money

);

insert into Laptop(code, model, speed, ram, hd, screen, price) VALUES

(1, 1121, 350, 32, 4.0, 11, 700.0000),

(2, 1789, 500, 64, 8.0, 12, 970.0000),

(3, 1721, 450, 32, 5.0, 10, 590.0000),

(4, 1889, 400, 48, 10.0, 13, 780.0000),

(5, 1621, 350, 12, 5.0, 10, 550.0000),

(6, 1689, 400, 24, 4.0, 10, 560.0000),

(7, 2121, 500, 24, 10.0, 12, 660.0000),

(8, 2789, 550, 32, 5.0, 11, 620.0000),

(9, 3121, 450, 24, 4.0, 10, 540.0000),

(10, 3789, 350, 12, 5.0, 10, 550.0000),

(11, 4121, 400, 24, 8.0, 12, 665.0000),

(12, 4789, 500, 32, 10.0, 13, 780.0000),

(13, 5121, 550, 64, 10.0,13, 990.0000),

(14, 5789, 500, 32, 8.0, 11, 660.0000),

(15, 6121, 350, 24, 5.0, 10, 550.0000),

(16, 6789, 450, 12, 4.0, 10, 580.0000),

(17, 7121, 380, 24, 8.0, 11, 610.0000),

(18, 7789, 400, 36, 10.0, 12, 720.0000),

(19, 8121, 350, 32, 4.0, 11, 700.0000),

(20, 8789, 500, 64, 8.0, 12, 970.0000),

(21, 9121, 450, 32, 5.0, 10, 590.0000),

(22, 9789, 400, 48, 10.0, 13, 780.0000),

(23, 7221, 350, 12, 5.0, 10, 550.0000),

(24, 7779, 400, 24, 4.0, 10, 560.0000),

(25, 7821, 500, 24, 10.0, 12, 660.0000),

(26, 7879, 550, 32, 5.0, 11, 620.0000),

(27, 1111, 450, 24, 4.0, 10, 540.0000),

(28, 1114, 350, 12, 5.0, 10, 550.0000),

(29, 1119, 400, 24, 8.0, 12, 665.0000),

(30,1125, 500, 32, 10.0, 13, 780.0000),

(31,1128, 550, 64, 10.0,13, 990.0000),

(32,1133, 380, 24, 8.0, 11, 600.0000),

(33,1135, 380, 24, 8.0, 11, 599.0000),

(34,1138, 380, 24, 8.0, 11, 619.0000),

(35,1143, 450, 12, 4.0, 10, 590.0000),

(36,1145, 450, 12, 4.0, 10, 530.0000),

(37,1148, 450, 12, 4.0, 10, 480.0000),

(38,1153, 450, 12, 4.0, 10, 510.0000),

(39,1155, 350, 32, 4.0, 11, 699.0000),

(40,1158, 350, 32, 4.0, 11, 687.0000),

(41,1164, 350, 32, 4.0, 11, 697.0000),

(42,1166, 350, 32, 4.0, 11, 688.0000),

(43,1169, 500, 24, 10.0, 12, 557.0000),

(44,1174, 500, 24, 10.0, 12, 590.0000),

(45,1177, 500, 24, 10.0, 12, 601.0000),

(46,1179, 500, 24, 10.0, 12, 603.0000),

(47,1181, 500, 24, 10.0, 12, 588.0000),

(48,1183, 550, 32, 5.0, 11, 655.0000),

(49,1185, 550, 32, 5.0, 11, 635.0000),

(50,1187, 550, 32, 5.0, 11, 599.0000),

(51,1189, 550, 32, 5.0, 11, 605.0000),

(52,1191, 550, 32, 5.0, 11, 589.0000),

(53,1193, 450, 12, 4.0, 10, 580.0000),

(54,1195, 450, 12, 4.0, 10, 570.0000),

(55,1197, 450, 12, 4.0, 10, 555.0000),

(56,1199, 450, 12, 4.0, 10, 597.0000),

(57,1201, 450, 12, 4.0, 10, 598.0000),

(58,1203, 450, 12, 4.0, 10, 456.0000),

(59,1205, 300, 48, 10.0, 13, 785.0000),

(60,1207, 300, 48, 10.0, 13, 600.0000),

(61,1209, 300, 48, 10.0, 13, 765.0000),

(62,1211, 300, 48, 10.0, 13, 755.0000),

(63,1214, 300, 48, 10.0, 13, 745.0000),

(64,1216, 300, 48, 10.0, 13, 735.0000),

(65,1218, 500, 64, 8.0, 12, 965.0000),

(66,1220, 500, 64, 8.0, 12, 975.0000),

(67,1222, 500, 64, 8.0, 12, 999.0000),

(68,1224, 500, 64, 8.0, 12, 955.0000),

(69,1227, 500, 64, 8.0, 12, 945.0000),

(70,1229, 500, 64, 8.0, 12, 935.0000),

(71,1231, 500, 64, 8.0, 12, 930.0000),

(72,1233, 550, 32, 5.0, 11, 625.0000),

(73,1235, 550, 32, 5.0, 11, 615.0000),

(74,1237, 550, 32, 5.0, 11, 605.0000),

(75,1240, 550, 32, 5.0, 11, 600.0000),

(76,1242, 550, 32, 5.0, 11, 599.0000),

(77,1244, 550, 32, 5.0, 11, 598.0000),

(78,1246, 550, 32, 5.0, 11, 625.0000),

(79,1248, 550, 32, 5.0, 11, 629.0000),

(80,1250, 350, 12, 5.0, 10, 545.0000),

(81,1252, 350, 12, 5.0, 10, 534.0000),

(82,1254, 350, 12, 5.0, 10, 578.0000),

(83,1256, 350, 12, 5.0, 10, 499.0000),

(84,1258, 350, 12, 5.0, 10, 509.0000),

(85,1260, 400, 48, 10.0, 13, 770.0000),

(86,1262, 400, 48, 10.0, 13, 765.0000),

(87,1264, 400, 48, 10.0, 13, 755.0000),

(88,1266, 400, 48, 10.0, 13, 699.0000),

(89,1268, 400, 48, 10.0, 13, 900.0000),

(90,1270, 400, 48, 10.0, 13, 999.0000),

(91,1272, 350, 32, 4.0, 11, 699.0000),

(92,1274, 350, 32, 4.0, 11, 650.0000),

(93,1271, 350, 32, 4.0, 11, 800.0000),

(94,1273, 350, 32, 4.0, 11, 550.0000),

(95,1275, 350, 32, 4.0, 11, 679.0000),

(96,1276, 355, 32, 4.0, 11, 700.0000),

(97,1277, 400, 24, 8.0, 12, 655.0000),

(98,1278, 400, 24, 8.0, 12, 668.0000),

(99,1279, 400, 24, 8.0, 12, 670.0000),

(100,1280, 400, 24, 8.0, 12, 788.0000)

;

create table Printer(

code int,

model varchar,

color char(1),

type\_print varchar(10),

price money

);

insert into Printer (code, model, color, type\_print, price) VALUES

(1, 1123, 'n', 'Laser', 400.0000),

(2, 9999, 'n', 'Matrix', 270.0000),

(3, 1723, 'c', 'Matrix', 160.0000),

(4, 9799, 'n', 'Laser', 380.0000),

(5, 1623, 'n', 'Matrix', 290.0000),

(6, 9699, 'c', 'Laser', 420.0000),

(7, 2123, 'n', 'Matrix', 190.0000),

(8, 2999, 'n', 'Matrix', 320.0000),

(9, 3123, 'n', 'Matrix', 290.0000),

(10, 3999, 'c', 'Laser', 550.0000),

(11, 4123, 'n', 'Matrix', 240.0000),

(12, 4999, 'n', 'Matrix', 310.0000),

(13, 5123, 'n', 'Matrix', 335.0000),

(14, 5999, 'c', 'Matrix', 435.0000),

(15, 6123, 'n', 'Laser', 290.0000),

(16, 6999, 'n', 'Laser', 400.0000),

(17, 7123, 'c', 'Matrix', 490.0000),

(18, 7999, 'n', 'Matrix', 180.0000),

(19, 8123,'n', 'Laser', 405.0000),

(20, 8999,'n', 'Matrix', 270.0000),

(21, 9123, 'c', 'Matrix', 260.0000),

(22, 9991, 'c', 'Laser', 420.0000),

(23, 7223, 'n', 'Matrix', 280.0000),

(24, 7299,'n', 'Laser', 410.0000),

(25, 7323,'n', 'Matrix', 260.0000),

(26, 7399,'c', 'Matrix', 340.0000),

(27, 7423,'c', 'Laser', 430.0000),

(28, 7499,'n', 'Laser', 420.0000),

(29, 7523, 'n', 'Matrix', 255.0000),

(30, 7599, 'c', 'Matrix', 500.0000),

(31, 7623, 'c', 'Laser', 444.0000),

(32, 7699, 'n', 'Laser', 460.0000),

(33, 7723, 'n', 'Matrix', 299.0000),

(34, 7979, 'c', 'Matrix', 377.0000),

(35, 7823, 'n', 'Laser', 400.0000),

(36, 7239, 'c', 'Laser', 359.0000),

(37, 1112, 'n', 'Matrix', 299.0000),

(38,1115,'n', 'Laser', 470.0000),

(39,1120, 'n', 'Matrix', 288.0000),

(40,1126, 'c', 'Matrix', 245.0000),

(41,1129, 'c', 'Laser', 544.0000),

(42,1134, 'n', 'Laser', 498.0000),

(43,1136, 'c', 'Matrix', 245.0000),

(44,1139, 'c', 'Laser', 399.0000),

(45,1144, 'n', 'Matrix', 310.0000),

(46,1146, 'c', 'Matrix', 355.0000),

(47,1149, 'n', 'Laser', 488.0000),

(48,1154, 'c', 'Laser', 486.0000),

(49,1156, 'n', 'Matrix', 350.0000),

(50,1159, 'c', 'Matrix', 199.0000),

(51,1167, 'n', 'Matrix', 333.0000),

(52,1170, 'n', 'Laser', 413.0000),

(53,1175, 'c', 'Matrix', 277.0000),

(54,1178, 'n', 'Matrix', 288.0000),

(55,1180, 'c', 'Laser', 355.0000),

(56,1182, 'n', 'Laser', 414.0000),

(57,1184, 'c', 'Matrix', 203.0000),

(58,1186, 'n', 'Matrix', 390.0000),

(59,1188, 'n', 'Matrix', 430.0000),

(60,1190, 'n', 'Laser', 409.0000),

(61,1192, 'c', 'Matrix', 500.0000),

(62,1194, 'n', 'Matrix', 341.0000),

(63,1196, 'c', 'Laser', 359.0000),

(64,1198, 'c', 'Matrix', 244.0000),

(65,1200, 'n', 'Matrix', 345.0000),

(66,1202, 'n', 'Laser', 401.0000),

(67,1204, 'c', 'Laser', 765.0000),

(68,1206, 'n', 'Matrix', 432.0000),

(69,1208, 'c', 'Matrix', 99.0000),

(70,1210, 'n', 'Matrix', 355.0000),

(71,1212, 'n', 'Laser', 403.0000),

(72,1213, 'c', 'Matrix', 170.0000),

(73,1215, 'c', 'Laser', 397.0000),

(74,1217, 'n', 'Matrix', 333.0000),

(75,1219, 'n', 'Matrix', 455.0000),

(76,1221, 'c', 'Matrix', 198.0000),

(76,1223, 'n', 'Laser', 411.0000),

(77,1225, 'c', 'Laser', 555.0000),

(78,1228, 'n', 'Matrix', 345.0000),

(79,1230, 'n', 'Matrix', 444.0000),

(80,1232, 'c', 'Matrix', 199.0000),

(81,1234, 'n', 'Laser', 489.0000),

(82,1236, 'c', 'Laser', 700.0000),

(83,1238, 'n', 'Matrix', 440.0000),

(84,1226, 'n', 'Matrix', 288.0000),

(85,1239, 'n', 'Matrix', 290.0000),

(86,1241, 'n', 'Laser', 501.0000),

(87,1243, 'c', 'Matrix', 235.0000),

(create table product(

maker varchar(10),

model varchar(100),

type\_prod varchar(100)

);

insert into product(maker,model, type\_prod) VALUES

('B', 1122, 'PC'),

('A', 1121, 'Laptop'),

('C', 1123, 'Printer'),

('D', 1133, 'PC'),

('E', 1144, 'PC'),

('A', 1124, 'PC'),

('D', 1789, 'Laptop'),

('C', 9999, 'Printer'),

('B', 1722, 'PC'),

('A', 1721, 'Laptop'),

('E', 1723, 'Printer'),

('D', 1733, 'PC'),

('A', 1744, 'PC'),

('A', 1724, 'PC'),

('B', 1889, 'Laptop'),

('C', 9799, 'Printer'),

('B', 1622, 'PC'),

('A', 1621, 'Laptop'),

('C', 1623, 'Printer'),

('D', 1633, 'PC'),

('E', 1144, 'PC'),

('A', 1624, 'PC'),

('D', 1689, 'Laptop'),

('C', 9699, 'Printer'),

('D', 1522, 'PC'),

('A', 1521, 'Laptop'),

('C', 1523, 'Printer'),

('A', 1533, 'PC'),

('E', 1544, 'PC'),

('A', 1524, 'PC'),

('A', 1589, 'Laptop'),

('C', 9599, 'Printer'),

('B', 1422, 'PC'),

('A', 1421, 'Laptop'),

('C', 1423, 'Printer'),

('D', 1433, 'PC'),

('E', 1444, 'PC'),

('A', 1424, 'PC'),

('D', 1489, 'Laptop'),

('C', 9499, 'Printer'),

('A', 1522, 'PC'),

('D', 1521, 'Laptop'),

('E', 1523, 'Printer'),

('D', 1533, 'PC'),

('C', 1544, 'PC'),

('A', 1524, 'PC'),

('D', 1589, 'Laptop'),

('E', 9599, 'Printer'),

('B', 1622, 'PC'),

('C', 1621, 'Laptop'),

('E', 1623, 'Printer'),

('D', 1633, 'PC'),

('A', 1644, 'PC'),

('A', 1624, 'PC'),

('D', 1689, 'Laptop'),

('D', 9699, 'Printer'),

('B', 2122, 'PC'),

('A', 2121, 'Laptop'),

('C', 2123, 'Printer'),

('A', 2133, 'PC'),

('D', 2144, 'PC'),

('E', 2124, 'PC'),

('D', 2789, 'Laptop'),

('C', 2999, 'Printer'),

('B', 3122, 'PC'),

('A', 3121, 'Laptop'),

('A', 3123, 'Printer'),

('D', 3133, 'PC'),

('A', 3144, 'PC'),

('A', 3124, 'PC'),

('D', 3789, 'Laptop'),

('E', 3999, 'Printer'),

('B', 4122, 'PC'),

('E', 4121, 'Laptop'),

('C', 4123, 'Printer'),

('A', 4133, 'PC'),

('E', 4144, 'PC'),

('D', 4124, 'PC'),

('B', 4789, 'Laptop'),

('A', 4999, 'Printer'),

('B', 5122, 'PC'),

('A', 5121, 'Laptop'),

('C', 5123, 'Printer'),

('D', 5133, 'PC'),

('E', 5144, 'PC'),

('A', 5124, 'PC'),

('D', 5789, 'Laptop'),

('C', 5999, 'Printer'),

('B', 6122, 'PC'),

('A', 6121, 'Laptop'),

('C', 6123, 'Printer'),

('D', 6133, 'PC'),

('E', 6144, 'PC'),

('A', 6124, 'PC'),

('D', 6789, 'Laptop'),

('C', 6999, 'Printer'),

('B', 7122, 'PC'),

('C', 7121, 'Laptop'),

('C', 7123, 'Printer'),

('A', 7133, 'PC'),

('E', 7144, 'PC'),

('D', 7124, 'PC'),

('E', 7789, 'Laptop'),

('A', 7999, 'Printer'),

('B', 8122, 'PC'),

('C', 8121, 'Laptop'),

('C', 8123, 'Printer'),

('A', 8133, 'PC'),

('E', 8144, 'PC'),

('D', 8124, 'PC'),

('E', 8789, 'Laptop'),

('A', 8999, 'Printer'),

('B', 9122, 'PC'),

('C', 9121, 'Laptop'),

('C', 9123, 'Printer'),

('A', 9133, 'PC'),

('E', 9144, 'PC'),

('D', 9124, 'PC'),

('E', 9789, 'Laptop'),

('A', 9991, 'Printer'),

('B', 7222, 'PC'),

('C', 7221, 'Laptop'),

('C', 7223, 'Printer'),

('A', 7233, 'PC'),

('E', 7244, 'PC'),

('D', 7224, 'PC'),

('E', 7289, 'Laptop'),

('A', 7299, 'Printer'),

('B', 7322, 'PC'),

('C', 7321, 'Laptop'),

('C', 7323, 'Printer'),

('A', 7333, 'PC'),

('E', 7344, 'PC'),

('D', 7324, 'PC'),

('E', 7389, 'Laptop'),

('A', 7399, 'Printer'),

('B', 7422, 'PC'),

('C', 7421, 'Laptop'),

('C', 7423, 'Printer'),

('A', 7433, 'PC'),

('E', 7444, 'PC'),

('D', 7424, 'PC'),

('E', 7489, 'Laptop'),

('A', 7499, 'Printer'),

('B', 7522, 'PC'),

('C', 7521, 'Laptop'),

('C', 7523, 'Printer'),

('A', 7533, 'PC'),

('E', 7544, 'PC'),

('D', 7524, 'PC'),

('E', 7589, 'Laptop'),

('A', 7599, 'Printer'),

('B', 7622, 'PC'),

('C', 7621, 'Laptop'),

('C', 7623, 'Printer'),

('A', 7633, 'PC'),

('E', 7644, 'PC'),

('D', 7624, 'PC'),

('E', 7689, 'Laptop'),

('A', 7699, 'Printer'),

('B', 7722, 'PC'),

('C', 7721, 'Laptop'),

('C', 7723, 'Printer'),

('A', 7733, 'PC'),

('E', 7744, 'PC'),

('D', 7724, 'PC'),

('E', 7779, 'Laptop'),

('A', 7979, 'Printer'),

('B', 7822, 'PC'),

('C', 7821, 'Laptop'),

('C', 7823, 'Printer'),

('A', 7833, 'PC'),

('E', 7844, 'PC'),

('D', 7824, 'PC'),

('E', 7879, 'Laptop'),

('A', 7239, 'Printer'),

('E', 1111, 'Laptop'),

('A', 1112, 'Printer'),

('B', 1113, 'PC'),

('C', 1114, 'Laptop'),

('C', 1115, 'Printer'),

('A', 1116, 'PC'),

('E', 1117, 'PC'),

('D', 1118, 'PC'),

('E', 1119, 'Laptop'),

('A', 1120, 'Printer'),

('E', 1125, 'Laptop'),

('A', 1126, 'Printer'),

('B', 1127, 'PC'),

('C', 1128, 'Laptop'),

('C', 1129, 'Printer'),

('A', 1130, 'PC'),

('E', 1131, 'PC'),

('D', 1132, 'PC'),

('E', 1133, 'Laptop'),

('A', 1134, 'Printer'),

('E', 1135, 'Laptop'),

('A', 1136, 'Printer'),

('B', 1137, 'PC'),

('C', 1138, 'Laptop'),

('C', 1139, 'Printer'),

('A', 1140, 'PC'),

('E', 1141, 'PC'),

('D', 1142, 'PC'),

('E', 1143, 'Laptop'),

('A', 1144, 'Printer'),

('E', 1145, 'Laptop'),

('A', 1146, 'Printer'),

('B', 1147, 'PC'),

('C', 1148, 'Laptop'),

('C', 1149, 'Printer'),

('A', 1150, 'PC'),

('E', 1151, 'PC'),

('D', 1152, 'PC'),

('E', 1153, 'Laptop'),

('A', 1154, 'Printer'),

('E', 1155, 'Laptop'),

('A', 1156, 'Printer'),

('B', 1157, 'PC'),

('C', 1158, 'Laptop'),

('C', 1159, 'Printer'),

('A', 1160, 'PC'),

('E', 1162, 'PC'),

('D', 1163, 'PC'),

('E', 1164, 'Laptop'),

('A', 1165, 'Printer'),

('E', 1166, 'Laptop'),

('A', 1167, 'Printer'),

('B', 1168, 'PC'),

('C', 1169, 'Laptop'),

('C', 1170, 'Printer'),

('A', 1171, 'PC'),

('E', 1172, 'PC'),

('D', 1173, 'PC'),

('E', 1174, 'Laptop'),

('A', 1175, 'Printer'),

('D', 1176, 'PC'),

('D', 1177, 'Laptop'),

('A', 1178, 'Printer'),

('F', 1179, 'Laptop'),

('E', 1180, 'Printer'),

('B', 1181, 'Laptop'),

('C', 1182, 'Printer'),

('D', 1183, 'Laptop'),

('A', 1184, 'Printer'),

('F', 1185, 'Laptop'),

('E', 1186, 'Printer'),

('B', 1187, 'Laptop'),

('C', 1188, 'Printer'),

('e', 1189, 'Laptop'),

('A', 1190, 'Printer'),

('D', 1191, 'Laptop'),

('E', 1192, 'Printer'),

('C', 1193, 'Laptop'),

('A', 1194, 'Printer'),

('D', 1195, 'Laptop'),

('A', 1196, 'Printer'),

('F', 1197, 'Laptop'),

('E', 1198, 'Printer'),

('A', 1199, 'Laptop'),

('B', 1200, 'Printer'),

('D', 1201, 'Laptop'),

('A', 1202, 'Printer'),

('F', 1203, 'Laptop'),

('E', 1204, 'Printer'),

('B', 1205, 'Laptop'),

('C', 1206, 'Printer'),

('D', 1207, 'Laptop'),

('A', 1208, 'Printer'),

('F', 1209, 'Laptop'),

('E', 1210, 'Printer'),

('B', 1211, 'Laptop'),

('C', 1212, 'Printer'),

('B', 1213, 'Printer'),

('D', 1214, 'Laptop'),

('A', 1215, 'Printer'),

('F', 1216, 'Laptop'),

('E', 1217, 'Printer'),

('B', 1218, 'Laptop'),

('C', 1219, 'Printer'),

('D', 1220, 'Laptop'),

('A', 1221, 'Printer'),

('F', 1222, 'Laptop'),

('E', 1223, 'Printer'),

('B', 1224, 'Laptop'),

('C', 1225, 'Printer'),

('B', 1226, 'Printer'),

('D', 1227, 'Laptop'),

('A', 1228, 'Printer'),

('F', 1229, 'Laptop'),

('E', 1230, 'Printer'),

('B', 1231, 'Laptop'),

('C', 1232, 'Printer'),

('D', 1233, 'Laptop'),

('A', 1234, 'Printer'),

('F', 1235, 'Laptop'),

('E', 1236, 'Printer'),

('B', 1237, 'Laptop'),

('C', 1238, 'Printer'),

('B', 1239, 'Printer'),

('D', 1240, 'Laptop'),

('A', 1241, 'Printer'),

('F', 1242, 'Laptop'),

('E', 1243, 'Printer'),

('B', 1244, 'Laptop'),

('C', 1245, 'Printer'),

('D', 1246, 'Laptop'),

('A', 1247, 'Printer'),

('F', 1248, 'Laptop'),

('E', 1249, 'Printer'),

('B', 1250, 'Laptop'),

('C', 1251, 'Printer'),

('D', 1252, 'Laptop'),

('A', 1253, 'Printer'),

('F', 1254, 'Laptop'),

('E', 1255, 'Printer'),

('B', 1256, 'Laptop'),

('C', 1257, 'Printer'),

('D', 1258, 'Laptop'),

('A', 1259, 'Printer'),

('F', 1260, 'Laptop'),

('E', 1261, 'Printer'),

('B', 1262, 'Laptop'),

('C', 1263, 'Printer'),

('D', 1264, 'Laptop'),

('A', 1265, 'Printer'),

('F', 1266, 'Laptop'),

('E', 1267, 'Printer'),

('B', 1268, 'Laptop'),

('C', 1269, 'Printer'),

('D', 1270, 'Laptop'),

('A', 1271, 'Laptop'),

('F', 1272, 'Laptop'),

('E', 1273, 'Laptop'),

('B', 1274, 'Laptop'),

('C', 1275, 'Laptop'),

('D', 1276, 'Laptop'),

('A', 1277, 'Laptop'),

('D', 1278, 'Laptop'),

('C', 1279, 'Laptop'),

('B', 1280, 'Laptop')

;

create table PC(

code int,

model varchar(100),

speed smallint,

ram smallint,

hd real,

cd varchar(10),

price money

);

insert into PC(code, model, speed, ram, hd, cd, price) VALUES

(1, 1122, 500, 64, 5.0, '12x', 600.0000),

(2, 1133, 1000, 32, 10.0, '12x', 350.0000),

(3, 1144, 500, 64, 5.0, '12x', 500.0000),

(4, 1124, 1000, 32, 10, '24x', 550.0000),

(5, 1722, 1100, 128, 5.0, '64x', 700.0000),

(6, 1733, 500, 64, 5.0, '24x', 580.0000),

(7, 1744, 500, 32, 10.0, '12x', 400.0000),

(8, 1724, 1000, 64, 10.0, '24x', 450.000),

(9, 1622, 1500, 128, 10.0, '64x', 800.000),

(10, 1633, 500, 32, 5.0, '12x', 350.0000),

(11, 1144, 1000, 64, 10.0, '24x', 470.0000),

(12, 1624, 500, 32, 5.0, '12x', 380.0000),

(13, 2122, 1000, 32, 10.0, '32x', 420.0000),

(14, 2133, 1000, 24, 5.0, '12x', 510.0000),

(15, 2144, 500, 12, 10.0, '24x', 480.0000),

(16, 2124, 1000, 24, 5.0, '12x', 390.0000),

(17, 3122, 500, 12, 5.0, '24x', 430.0000),

(18, 3133, 1000, 48, 10, '32x', 770.00000),

(19, 3144, 500, 24, 5.0, '24x', 550.0000),

(20, 3124, 1000, 12, 5.0, '12x', 490.0000),

(21, 4122, 500, 12, 10.0, '24x', 390.0000),

(22, 4133, 1000, 24, 5.0, '12x', 400.0000),

(23, 4144, 500, 12, 10.0, '24x', 450.0000),

(24, 4124, 1000, 24, 5.0, '12x', 460.0000),

(25, 5122, 500, 48, 10.0, '48x', 710.0000),

(26, 4133, 500, 24, 10.0, '24x', 630.0000),

(27, 4144, 1000, 12, 5.0, '12x', 510.0000),

(28, 4124, 500, 24, 10.0, '24x', 520.0000),

(29, 5122, 1000, 12, 5.0, '12x', 555.0000),

(30, 5133, 500, 48, 10.0, '24x', 640.0000),

(31, 5144, 1000, 48, 10.0, '48x', 775.0000),

(32, 5124, 500, 24, 10.0, '12x', 440.0000),

(33, 6122, 500, 12, 5.0, '12x', 390.0000),

(34, 6133, 1000, 24, 10.0, '24x', 410.0000),

(35, 6144, 500, 12, 10.0, '12x', 420.0000),

(36, 6124, 500, 24, 5.0, '24x', 500.0000),

(37, 7122, 1000, 24, 10.0, '48x', 635.0000),

(38, 7133, 500, 12, 5.0, '12x', 360.0000),

(39, 7144, 500, 12, 5.0, '12x', 370.0000),

(40, 7124, 10000, 24, 10.0, '24x', 495.0000),

(41, 8122, 500, 64, 5.0, '12x', 600.0000),

(42, 8133, 1000, 24, 10.0, '24x', 410.0000),

(43, 8144, 1000, 48, 10.0, '48x', 775.0000),

(44, 8124, 500, 12, 5.0, '12x', 360.0000),

(45, 9122, 500, 24, 5.0, '24x', 550.0000),

(46, 9133, 1000, 48, 10, '32x', 770.00000),

(47, 9144, 500, 12, 10.0, '24x', 390.0000),

(48, 9124, 500, 12, 10.0, '24x', 450.0000),

(49, 7222, 1500, 128, 10.0, '64x', 850.000),

(50, 7233, 1000, 24, 5.0, '12x', 450.0000),

(51, 7244, 1100, 128, 5.0, '64x', 700.0000),

(52, 7224, 500, 64, 5.0, '12x', 600.0000),

(53, 7322, 500, 12, 10.0, '24x', 450.0000),

(54, 7333, 1000, 24, 5.0, '12x', 400.0000),

(55, 7344, 500, 24, 10.0, '24x', 530.0000),

(56, 7324, 1000, 12, 5.0, '12x', 545.0000),

(57, 7422, 500, 12, 10.0, '24x', 385.0000),

(58, 7433, 1000, 24, 5.0, '12x', 401.0000),

(59, 7444, 1000, 32, 10.0, '12x', 354.0000),

(60, 7424, 500, 64, 5.0, '12x', 560.0000),

(61, 7522, 1000, 32, 10, '24x', 552.0000),

(62, 7533, 1100, 128, 5.0, '64x', 704.0000),

(63, 7544, 500, 64, 5.0, '24x', 583.0000),

(64, 7524, 500, 32, 10.0, '12x', 401.0000),

(65, 7622, 1000, 64, 10.0, '24x', 457.000),

(66, 7633, 500, 12, 10.0, '24x', 488.0000),

(67, 7644, 1000, 12, 5.0, '12x', 559.0000),

(68, 7624, 1000, 64, 10.0, '24x', 472.0000),

(69, 7722, 500, 24, 10.0, '12x', 446.0000),

(70, 7733, 1000, 48, 10, '32x', 771.00000),

(71, 7744, 500, 64, 5.0, '24x', 587.0000),

(72, 7724, 500, 32, 5.0, '12x', 353.0000),

(73, 7822, 1000, 32, 10.0, '32x', 421.0000),

(74, 7833, 1000, 64, 10.0, '24x', 473.0000),

(75, 7844, 500, 12, 10.0, '24x', 394.0000),

(76, 7824, 500, 32, 10.0, '12x', 405.0000),

(77, 1113, 500, 24, 10.0, '24x', 632.0000),

(78,1116, 1000, 24, 10.0, '24x', 419.0000),

(79,1117, 500, 12, 5.0, '12x', 379.0000),

(80,1118, 1000, 24, 5.0, '12x', 408.0000),

(81,1127, 1000, 24, 5.0, '12x', 410.0000),

(82,1130, 500, 48, 10.0, '24x', 645.0000),

(83,1131, 500, 12, 10.0, '24x', 459.0000),

(84,1132, 500, 32, 10.0, '12x', 418.0000),

(85,1137, 1500, 128, 10.0, '64x', 834.000),

(86,1140, 1500, 128, 10.0, '64x', 815.000),

(87,1141, 1500, 128, 10.0, '64x', 809.000),

(88,1142, 1500, 128, 10.0, '64x', 899.000),

(89,1147, 500, 64, 5.0, '24x', 555.0000),

(90,1150, 500, 64, 5.0, '24x', 577.0000),

(91,1151, 500, 64, 5.0, '24x', 565.0000),

(92,1152, 500, 64, 5.0, '24x', 544.0000),

(93,1160, 1000, 64, 10.0, '24x', 467.0000),

(94,1162, 1000, 64, 10.0, '24x', 500.0000),

(95,1163, 1000, 64, 10.0, '24x', 499.0000),

(96,1168, 1000, 64, 10.0, '24x', 505.0000),

(97,1172, 500, 64, 5.0, '24x', 500.0000),

(98,1173, 500, 64, 5.0, '24x', 495.0000),

(99,1171, 500, 64, 5.0, '24x', 506.0000),

(100,1176, 500, 64, 5.0, '24x', 499.0000)

;

create table Laptop(

code int,

model varchar(50),

speed smallint,

ram smallint,

hd real,

screen smallint,

price money

);

insert into Laptop(code, model, speed, ram, hd, screen, price) VALUES

(1, 1121, 350, 32, 4.0, 11, 700.0000),

(2, 1789, 500, 64, 8.0, 12, 970.0000),

(3, 1721, 450, 32, 5.0, 10, 590.0000),

(4, 1889, 400, 48, 10.0, 13, 780.0000),

(5, 1621, 350, 12, 5.0, 10, 550.0000),

(6, 1689, 400, 24, 4.0, 10, 560.0000),

(7, 2121, 500, 24, 10.0, 12, 660.0000),

(8, 2789, 550, 32, 5.0, 11, 620.0000),

(9, 3121, 450, 24, 4.0, 10, 540.0000),

(10, 3789, 350, 12, 5.0, 10, 550.0000),

(11, 4121, 400, 24, 8.0, 12, 665.0000),

(12, 4789, 500, 32, 10.0, 13, 780.0000),

(13, 5121, 550, 64, 10.0,13, 990.0000),

(14, 5789, 500, 32, 8.0, 11, 660.0000),

(15, 6121, 350, 24, 5.0, 10, 550.0000),

(16, 6789, 450, 12, 4.0, 10, 580.0000),

(17, 7121, 380, 24, 8.0, 11, 610.0000),

(18, 7789, 400, 36, 10.0, 12, 720.0000),

(19, 8121, 350, 32, 4.0, 11, 700.0000),

(20, 8789, 500, 64, 8.0, 12, 970.0000),

(21, 9121, 450, 32, 5.0, 10, 590.0000),

(22, 9789, 400, 48, 10.0, 13, 780.0000),

(23, 7221, 350, 12, 5.0, 10, 550.0000),

(24, 7779, 400, 24, 4.0, 10, 560.0000),

(25, 7821, 500, 24, 10.0, 12, 660.0000),

(26, 7879, 550, 32, 5.0, 11, 620.0000),

(27, 1111, 450, 24, 4.0, 10, 540.0000),

(28, 1114, 350, 12, 5.0, 10, 550.0000),

(29, 1119, 400, 24, 8.0, 12, 665.0000),

(30,1125, 500, 32, 10.0, 13, 780.0000),

(31,1128, 550, 64, 10.0,13, 990.0000),

(32,1133, 380, 24, 8.0, 11, 600.0000),

(33,1135, 380, 24, 8.0, 11, 599.0000),

(34,1138, 380, 24, 8.0, 11, 619.0000),

(35,1143, 450, 12, 4.0, 10, 590.0000),

(36,1145, 450, 12, 4.0, 10, 530.0000),

(37,1148, 450, 12, 4.0, 10, 480.0000),

(38,1153, 450, 12, 4.0, 10, 510.0000),

(39,1155, 350, 32, 4.0, 11, 699.0000),

(40,1158, 350, 32, 4.0, 11, 687.0000),

(41,1164, 350, 32, 4.0, 11, 697.0000),

(42,1166, 350, 32, 4.0, 11, 688.0000),

(43,1169, 500, 24, 10.0, 12, 557.0000),

(44,1174, 500, 24, 10.0, 12, 590.0000),

(45,1177, 500, 24, 10.0, 12, 601.0000),

(46,1179, 500, 24, 10.0, 12, 603.0000),

(47,1181, 500, 24, 10.0, 12, 588.0000),

(48,1183, 550, 32, 5.0, 11, 655.0000),

(49,1185, 550, 32, 5.0, 11, 635.0000),

(50,1187, 550, 32, 5.0, 11, 599.0000),

(51,1189, 550, 32, 5.0, 11, 605.0000),

(52,1191, 550, 32, 5.0, 11, 589.0000),

(53,1193, 450, 12, 4.0, 10, 580.0000),

(54,1195, 450, 12, 4.0, 10, 570.0000),

(55,1197, 450, 12, 4.0, 10, 555.0000),

(56,1199, 450, 12, 4.0, 10, 597.0000),

(57,1201, 450, 12, 4.0, 10, 598.0000),

(58,1203, 450, 12, 4.0, 10, 456.0000),

(59,1205, 300, 48, 10.0, 13, 785.0000),

(60,1207, 300, 48, 10.0, 13, 600.0000),

(61,1209, 300, 48, 10.0, 13, 765.0000),

(62,1211, 300, 48, 10.0, 13, 755.0000),

(63,1214, 300, 48, 10.0, 13, 745.0000),

(64,1216, 300, 48, 10.0, 13, 735.0000),

(65,1218, 500, 64, 8.0, 12, 965.0000),

(66,1220, 500, 64, 8.0, 12, 975.0000),

(67,1222, 500, 64, 8.0, 12, 999.0000),

(68,1224, 500, 64, 8.0, 12, 955.0000),

(69,1227, 500, 64, 8.0, 12, 945.0000),

(70,1229, 500, 64, 8.0, 12, 935.0000),

(71,1231, 500, 64, 8.0, 12, 930.0000),

(72,1233, 550, 32, 5.0, 11, 625.0000),

(73,1235, 550, 32, 5.0, 11, 615.0000),

(74,1237, 550, 32, 5.0, 11, 605.0000),

(75,1240, 550, 32, 5.0, 11, 600.0000),

(76,1242, 550, 32, 5.0, 11, 599.0000),

(77,1244, 550, 32, 5.0, 11, 598.0000),

(78,1246, 550, 32, 5.0, 11, 625.0000),

(79,1248, 550, 32, 5.0, 11, 629.0000),

(80,1250, 350, 12, 5.0, 10, 545.0000),

(81,1252, 350, 12, 5.0, 10, 534.0000),

(82,1254, 350, 12, 5.0, 10, 578.0000),

(83,1256, 350, 12, 5.0, 10, 499.0000),

(84,1258, 350, 12, 5.0, 10, 509.0000),

(85,1260, 400, 48, 10.0, 13, 770.0000),

(86,1262, 400, 48, 10.0, 13, 765.0000),

(87,1264, 400, 48, 10.0, 13, 755.0000),

(88,1266, 400, 48, 10.0, 13, 699.0000),

(89,1268, 400, 48, 10.0, 13, 900.0000),

(90,1270, 400, 48, 10.0, 13, 999.0000),

(91,1272, 350, 32, 4.0, 11, 699.0000),

(92,1274, 350, 32, 4.0, 11, 650.0000),

(93,1271, 350, 32, 4.0, 11, 800.0000),

(94,1273, 350, 32, 4.0, 11, 550.0000),

(95,1275, 350, 32, 4.0, 11, 679.0000),

(96,1276, 355, 32, 4.0, 11, 700.0000),

(97,1277, 400, 24, 8.0, 12, 655.0000),

(98,1278, 400, 24, 8.0, 12, 668.0000),

(99,1279, 400, 24, 8.0, 12, 670.0000),

(100,1280, 400, 24, 8.0, 12, 788.0000)

;

create table Printer(

code int,

model varchar,

color char(1),

type\_print varchar(10),

price money

);

insert into Printer (code, model, color, type\_print, price) VALUES

(1, 1123, 'n', 'Laser', 400.0000),

(2, 9999, 'n', 'Matrix', 270.0000),

(3, 1723, 'c', 'Matrix', 160.0000),

(4, 9799, 'n', 'Laser', 380.0000),

(5, 1623, 'n', 'Matrix', 290.0000),

(6, 9699, 'c', 'Laser', 420.0000),

(7, 2123, 'n', 'Matrix', 190.0000),

(8, 2999, 'n', 'Matrix', 320.0000),

(9, 3123, 'n', 'Matrix', 290.0000),

(10, 3999, 'c', 'Laser', 550.0000),

(11, 4123, 'n', 'Matrix', 240.0000),

(12, 4999, 'n', 'Matrix', 310.0000),

(13, 5123, 'n', 'Matrix', 335.0000),

(14, 5999, 'c', 'Matrix', 435.0000),

(15, 6123, 'n', 'Laser', 290.0000),

(16, 6999, 'n', 'Laser', 400.0000),

(17, 7123, 'c', 'Matrix', 490.0000),

(18, 7999, 'n', 'Matrix', 180.0000),

(19, 8123,'n', 'Laser', 405.0000),

(20, 8999,'n', 'Matrix', 270.0000),

(21, 9123, 'c', 'Matrix', 260.0000),

(22, 9991, 'c', 'Laser', 420.0000),

(23, 7223, 'n', 'Matrix', 280.0000),

(24, 7299,'n', 'Laser', 410.0000),

(25, 7323,'n', 'Matrix', 260.0000),

(26, 7399,'c', 'Matrix', 340.0000),

(27, 7423,'c', 'Laser', 430.0000),

(28, 7499,'n', 'Laser', 420.0000),

(29, 7523, 'n', 'Matrix', 255.0000),

(30, 7599, 'c', 'Matrix', 500.0000),

(31, 7623, 'c', 'Laser', 444.0000),

(32, 7699, 'n', 'Laser', 460.0000),

(33, 7723, 'n', 'Matrix', 299.0000),

(34, 7979, 'c', 'Matrix', 377.0000),

(35, 7823, 'n', 'Laser', 400.0000),

(36, 7239, 'c', 'Laser', 359.0000),

(37, 1112, 'n', 'Matrix', 299.0000),

(38,1115,'n', 'Laser', 470.0000),

(39,1120, 'n', 'Matrix', 288.0000),

(40,1126, 'c', 'Matrix', 245.0000),

(41,1129, 'c', 'Laser', 544.0000),

(42,1134, 'n', 'Laser', 498.0000),

(43,1136, 'c', 'Matrix', 245.0000),

(44,1139, 'c', 'Laser', 399.0000),

(45,1144, 'n', 'Matrix', 310.0000),

(46,1146, 'c', 'Matrix', 355.0000),

(47,1149, 'n', 'Laser', 488.0000),

(48,1154, 'c', 'Laser', 486.0000),

(49,1156, 'n', 'Matrix', 350.0000),

(50,1159, 'c', 'Matrix', 199.0000),

(51,1167, 'n', 'Matrix', 333.0000),

(52,1170, 'n', 'Laser', 413.0000),

(53,1175, 'c', 'Matrix', 277.0000),

(54,1178, 'n', 'Matrix', 288.0000),

(55,1180, 'c', 'Laser', 355.0000),

(56,1182, 'n', 'Laser', 414.0000),

(57,1184, 'c', 'Matrix', 203.0000),

(58,1186, 'n', 'Matrix', 390.0000),

(59,1188, 'n', 'Matrix', 430.0000),

(60,1190, 'n', 'Laser', 409.0000),

(61,1192, 'c', 'Matrix', 500.0000),

(62,1194, 'n', 'Matrix', 341.0000),

(63,1196, 'c', 'Laser', 359.0000),

(64,1198, 'c', 'Matrix', 244.0000),

(65,1200, 'n', 'Matrix', 345.0000),

(66,1202, 'n', 'Laser', 401.0000),

(67,1204, 'c', 'Laser', 765.0000),

(68,1206, 'n', 'Matrix', 432.0000),

(69,1208, 'c', 'Matrix', 99.0000),

(70,1210, 'n', 'Matrix', 355.0000),

(71,1212, 'n', 'Laser', 403.0000),

(72,1213, 'c', 'Matrix', 170.0000),

(73,1215, 'c', 'Laser', 397.0000),

(74,1217, 'n', 'Matrix', 333.0000),

(75,1219, 'n', 'Matrix', 455.0000),

(76,1221, 'c', 'Matrix', 198.0000),

(76,1223, 'n', 'Laser', 411.0000),

(77,1225, 'c', 'Laser', 555.0000),

(78,1228, 'n', 'Matrix', 345.0000),

(79,1230, 'n', 'Matrix', 444.0000),

(80,1232, 'c', 'Matrix', 199.0000),

(81,1234, 'n', 'Laser', 489.0000),

(82,1236, 'c', 'Laser', 700.0000),

(83,1238, 'n', 'Matrix', 440.0000),

(84,1226, 'n', 'Matrix', 288.0000),

(85,1239, 'n', 'Matrix', 290.0000),

(86,1241, 'n', 'Laser', 501.0000),

(87,1243, 'c', 'Matrix', 235.0000),

(88,1245, 'n', 'Matrix', 666.0000),

(89,1247, 'c', 'Laser', 333.0000),

(90,1249, 'n', 'Matrix', 295.0000),

(91,1251, 'n', 'Laser', 488.0000),

(92,1253, 'c', 'Laser', 701.0000),

(93,1255, 'n', 'Matrix', 555.0000),

(94,1257, 'n', 'Matrix', 270.0000),

(95,1259, 'c', 'Matrix', 384.0000),

(96,1261, 'n', 'Laser', 515.0000),

(97,1263, 'n', 'Matrix', 282.0000),

(98,1265, 'n', 'Matrix', 444.0000),

(99,1267, 'n', 'Matrix', 200.0000),

(100,1269, 'c', 'Laser', 420.0000);

88,1245, 'n', 'Matrix', 666.0000),

(89,1247, 'c', 'Laser', 333.0000),

(90,1249, 'n', 'Matrix', 295.0000),

(91,1251, 'n', 'Laser', 488.0000),

(92,1253, 'c', 'Laser', 701.0000),

(93,1255, 'n', 'Matrix', 555.0000),

(94,1257, 'n', 'Matrix', 270.0000),

(95,1259, 'c', 'Matrix', 384.0000),

(96,1261, 'n', 'Laser', 515.0000),

(97,1263, 'n', 'Matrix', 282.0000),

(98,1265, 'n', 'Matrix', 444.0000),

(99,1267, 'n', 'Matrix', 200.0000),

(100,1269, 'c', 'Laser', 420.0000);

* выполнить задачи, которые подробно описаны ниже.

#### Задача

1. Напишите определённые select-запросы.
   1. Найдите модели принтеров, имеющих самую высокую цену. Вывести: model, price.

select model, price

from Printer

where price in

(select *max*(price)

from Printer);

Вывод на экран:



* 1. Найдите среднюю скорость ПК.

select *avg*(speed)

from PC;

Вывод на экран:



* 1. Найдите производителя, продающего ПК, но не ноутбуки.

select maker

from product

where type\_prod = 'PC'

except select maker

from product

where type\_prod = 'Laptop';

Вывод на экран:



Такой вывод, потому что в моей БД нет производителя, который продает ПК, но не продает ноутбуки

1. Загрязните специально датасет (вставьте новые значения с уникальным кодом, но всеми остальными дублирующими полями).

insert into Printer (code, model, color, type\_print, price) VALUES

(101, 1123, 'n', 'Laser', 400.0000),

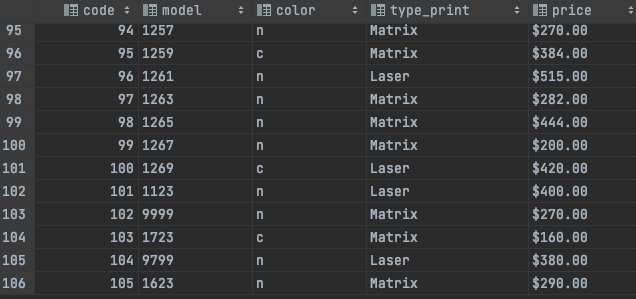
(102, 9999, 'n', 'Matrix', 270.0000),

(103, 1723, 'c', 'Matrix', 160.0000),

(104, 9799, 'n', 'Laser', 380.0000),

(105, 1623, 'n', 'Matrix', 290.0000);

Вывод на экран:



1. Напишите оконную функцию, которая поможет вам обнаружить эти строки-редиски.

select \*

from (

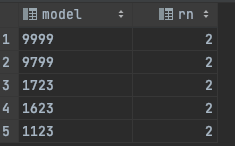
select model, *row\_number*() over (partition by model, price order by model desc)as rn

from Printer

) q1

where q1.rn>1;

Вывод на экран:



1. Обновите название колонки в таблице printer с color на color\_type и поменяйте тип поля.

ALTER TABLE Printer

rename column color to color\_type;

ALTER TABLE Printer

alter column color\_type type varchar(1);



1. В последнем пункте выполните слияние двух запросов из таблиц PC и Laptop, выбрав только те значения, у которых цена больше 500, а ram = 64.

Пришлось сначала поменять тип данных немного.

ALTER TABLE PC

alter column price type numeric;

ALTER TABLE Laptop

alter column price type numeric;

select model, speed, ram, price

FROM PC

WHERE ram=64 and price>500.00

union all

select model, speed, ram, price

from Laptop L

WHERE ram=64 and price>500.00;

Вывод на экран:

