21.

SELECT DISTINCT maker, MAX(price) AS Max\_price

FROM Product RIGHT JOIN PC ON Product.model = PC.model

GROUP BY maker

22.

SELECT DISTINCT speed, AVG(price) AS AVG\_price

FROM PC

WHERE speed > 600

GROUP BY speed

23.

SELECT DISTINCT maker

FROM Product JOIN PC ON Product.model = PC.model

WHERE speed >=750

INTERSECT

SELECT DISTINCT maker

FROM PRODUCT JOIN Laptop ON Product.model = Laptop.model

WHERE speed >=750

24.

SELECT model

FROM (SELECT model, price

FROM pc

UNION

SELECT model, price

FROM Laptop

UNION

SELECT model, price

FROM Printer) t1

WHERE price = (SELECT MAX(price)

FROM (SELECT price FROM pc

UNION

SELECT price

FROM Laptop

UNION

SELECT price

FROM Printer) t2

)

25.

SELECT DISTINCT maker

FROM Product LEFT JOIN PC ON Product.model = PC.model

WHERE speed IN(SELECT MAX(speed) FROM PC WHERE ram IN(SELECT MIN(ram) FROM PC)) AND maker IN(SELECT maker FROM Product WHERE type='Printer') AND ram IN(SELECT MIN(ram) FROM PC)

26.

SELECT AVG(price)

FROM (SELECT price

FROM PC

WHERE model IN (SELECT model

FROM product

WHERE maker='A' AND

type='PC'

)

UNION ALL

SELECT price

FROM Laptop

WHERE model IN (SELECT model

FROM product

WHERE maker='A' AND

type='Laptop'

)

) AS prod

27.

SELECT DISTINCT maker, AVG(hd) AS AVG\_hd

FROM Product RIGHT JOIN PC ON Product.model=PC.model

Where maker IN (SELECT maker FROM Product WHERE type='Printer')

GROUP BY maker

28.

SELECT DISTINCT COUNT(model)

FROM Product

WHERE maker IN(SELECT maker FROM Product

GROUP BY maker

HAVING COUNT(model) = 1)

29.

SELECT t1.point, t1.date, inc, out

FROM income\_o t1 LEFT JOIN outcome\_o t2 ON t1.point = t2.point

AND t1.date = t2.date

UNION

SELECT t2.point, t2.date, inc, out

FROM income\_o t1 RIGHT JOIN outcome\_o t2 ON t1.point = t2.point

AND t1.date = t2.date

30.

SELECT DISTINCT point,date,SUM(out) AS out, SUM(inc) AS inc FROM (

SELECT Income.point, Income.date, out, inc

FROM Income LEFT JOIN

Outcome ON Income.point = Outcome.point AND

Income.date = Outcome.date AND Income.code= Outcome.code

UNION ALL

SELECT Outcome.point, Outcome.date, out, inc

FROM Outcome LEFT JOIN

Income ON Income.point = Outcome.point AND

Income.date = Outcome.date AND Income.code=Outcome.code) AS t1

GROUP BY point, date