

Database System Homework SQL answer

1.

a)

Select model, speed as meahertz, hd as gigabytes

From PC

Where price < 1200

b)

Select distinct maker

From Product

Where type = 'Printer'

c)

Select *

From Printer

Where color = 'True'

d)

Select distinct maker, speed

From Laptop natural join Product

Where hd >= 30

e)

Select S.model, T.model

From PC as S, PC as T

Where S.speed = T.speed and S.ram = T.ram and S.model < T.model

f)

Select distinct S.maker

From Product as S, Product as T

Where S.type = 'PC' and T.type = 'PC' and S.model <> T.model

或

Select maker

From Product

Where type = 'PC'

Group by maker Having count(model)>=2

g)

Select avg(speed)

From Laptop

Where price > 2500

h)

Select avg(price)

From PC natural join Product

Where maker = 'D'

i)

Select maker

From Product

Where type = 'PC'

Group by maker having count(model) >= 3

2.

a)

Select *

From Printer

Where price >= all (Select price From Printer)

b)

Select model

From Laptop

Where speed < any (Select speed From PC)

c)

Select maker

From PC natural join Product

Where speed >= all (Select speed From PC) and
ram <= all (Select ram From PC)

d)

Select avg(hd)

From PC natural join Product

Where maker in (Select maker

From Product P2

Where P2.type = 'printer')