

Products

maker	<u>model</u>	type
A	1001	pc
A	1002	pc
A	1003	pc
A	2004	laptop
A	2005	laptop
A	2006	laptop
B	1004	pc
B	1005	pc
B	1006	pc
B	2007	laptop
C	1007	pc
D	1008	pc
D	1009	pc
D	1010	pc
D	3004	printer
D	3005	printer
E	1011	pc
E	1012	pc
E	1013	pc
E	2001	laptop
E	2002	laptop
E	2003	laptop
E	3001	printer
E	3002	printer
E	3003	printer
F	2008	laptop
F	2009	laptop
G	2010	laptop
H	3006	printer
H	3007	printer

PCs

<u>model</u>	speed	ram	hd	price
1001	2.66	1024	250	2114.00
1002	2.10	512	250	995.00
1003	1.42	512	80	478.00
1004	2.80	1024	250	649.00
1005	3.20	512	250	630.00
1006	3.20	1024	320	1049.00
1007	2.20	1024	200	510.00
1008	2.20	2048	250	770.00
1009	2.00	1024	250	650.00
1010	2.80	2048	300	770.00
1011	1.86	2048	160	959.00
1012	2.80	1024	160	649.00
1013	3.06	512	80	529.00

Printers

<u>model</u>	color	type	price
3001	TRUE	ink-jet	99.00
3002	FALSE	laser	239.00
3003	TRUE	laser	899.00
3004	TRUE	ink-jet	120.00
3005	FALSE	laser	120.00
3006	TRUE	ink-jet	100.00
3007	TRUE	laser	200.00

CS4416 - Tutorial 1

Q. Consider the tables Products, PCs, Laptops and Printers. Key attributes are underlined. Write SQL SELECT statements for performing the following queries:

- What PC models have a speed of at least 3.00?
- Which makers make laptops with a hard disk of at least 100 GB?
- Find the model number and price of all products (of any type) made by maker B
- Find the model numbers of all color laser printers.
- Find those makers that sell Laptops but not PCs
- Find those hard-disk sizes that occur in two or more PCs

Laptops

<u>model</u>	speed	ram	hd	screen	price
2001	2.00	2048	240	20.1	3673.00
2002	1.73	1024	80	17.0	949.00
2003	1.80	512	60	15.4	549.00
2004	2.00	512	60	13.3	1150.00
2005	2.16	1024	120	17.0	2500.00
2006	2.00	2048	80	15.4	1700.00
2007	1.83	1024	120	13.3	1429.00
2008	1.60	1024	100	15.4	900.00
2009	1.60	512	80	14.1	680.00
2010	2.00	2048	160	15.4	2300.00