

6.1

```
Select s.sid, y.sid  
from Catalog s, Catalog y  
where s.price > y.price;
```

6.2

```
Select s.sid  
from Supplier s, Part p  
where p.color = 'red' or s.address = 'Ruston City'
```

8.1

```
HScode  $\rightarrow$  (HSname, HScity),  
SSN  $\rightarrow$  (SName, Saddress, GPA, priority)
```

8.2

Syntax: checks for correct syntax operators
Entity: checks every relation name refers to a valid relation

View expansion: if a relation name refers to a view, replace the relation node with the parse tree of the view

Attribute: checks every attribute name refers to valid attributes

Type: checks each attribute participating in an expression has the proper type

9.1

1 is lossless cause it has all attributes

2 is lossy cause it loses the subject attribute

a is true

9.2

Report A (RID, ATD, Author)

Report B (Title, Subject)