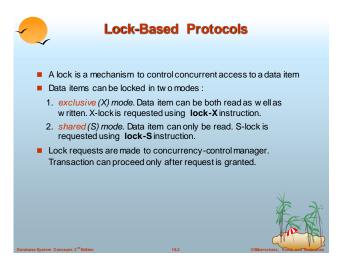
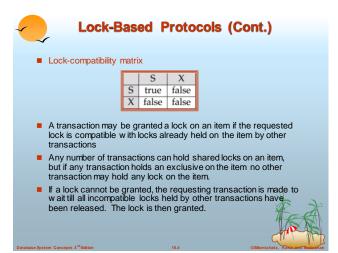


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```
■ Example of a transaction performing locking:

T₂: lock-S(A);

read (A);

unlock(A);

lock-S(B);

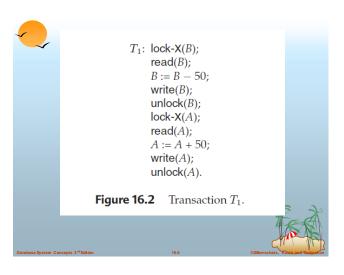
read (B);

unlock(B);

display(A+B)

■ Locking asabove is not sufficient to guarantee serializability — if A and B get updated in-between the read of A and B, the displayed sum would be wrong.

■ A locking protocol is a set of rules followed by all transactions while requesting and releasing locks. Locking protocols restrict the set of possible schedules.
```



```
T_2: lock-S(A); read(A); unlock(A); lock-S(B); read(B); unlock(B); display(A+B).

Figure 16.3 Transaction T_2.
```

