**Transactions Quiz**

**Question 1**

Transactions are

* units of work in a database.

**Question 2**

Atomicity means:

* If we split an atomic transaction up further, its parts become incomplete and meaningless.

**Question 3**

Consider the following statement:

*UPDATE product set category=‘Botanical stylers’*

*WHERE category=‘Lawn mowers’;*

Which of the following statements is true?

* The UPDATE statement may affect zero, one or many tuples, but it is still an atomic action from the point of view of the database management system.

**Question 4**

Can we replace a multi-statement transaction with individual statements in Autocommit mode?

* No, because if we issue COMMIT statements for each statement separately, if one of the statements fails it will be hard to repair the database quickly without introducing further mistakes.

**Question 5**

What is the effect of a COMMIT? Choose the most accurate option.

* The transaction ends. If the transaction has made changes, these are made permanent.

**Question 6**

True or false? If we have issued a COMMIT by mistake, we can undo the operation by issuing a rollback.

* No

**Question 7**

When does a transaction start?

* When the first statement after the previous Commit or Rollback is issued, or when 'Begin Transaction' is issued.