

Warm-Up

Activity 1.1. Match the pictures with the words.



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DELETE	CREATE	UPDATE	READ
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Activity 1.2. Watch the following video. Then choose true or false for each sentence.

1. Data needs to change over time. **TRUE** **FALSE**
2. CRUD refers to the operations you may perform in a database. **TRUE** **FALSE**
3. Reading includes creating and adding data. **TRUE** **FALSE**
4. Each CRUD operation has a SQL keyword associated. **TRUE** **FALSE**

Reading Section 1

Activity 2.1. Check the meaning of the following words. Then, [click here to practice with those words](#).

Prefix	Account	Patch	Browse
	Put	Procedure	Schema

Activity 2.2. Complete the following text with the words in activity 2.1.

How CRUD Works: Executing Operations and Examples

Based on the requirements of a system, varying user may have different CRUD cycles. A customer may use CRUD to create an (1)_____ and access that account when returning to a particular site. The user may then update personal data or change billing information. On the other hand, an operations manager might create product records, then call them when needed or modify line items.

During the Web 2.0 era, CRUD operations were at the foundation of most dynamic websites. However, you should differentiate CRUD from the HTTP action verbs. For example, if you want to create a new record you should use "POST." To update a record, you would use "(2)_____" or "(3)_____." If you wanted to delete a record, you would use "DELETE." Through CRUD, users and administrators had the access rights to edit, delete, create, or (4)_____ online records.

An application designer has many options for executing CRUD operations. One of the most efficient of choices is to create a set of stored procedures in SQL to execute operations. With regards to CRUD stored (5)_____, here are a few common naming conventions:

- The procedure name should end with the implemented name of the CRUD operation. The (6)_____ should not be the same as the prefix used for other user-defined stored procedures.
- CRUD procedures for the same table will be grouped together if you use the table name after the prefix.
- After adding CRUD procedures, you can update the database (7)_____ by identifying the database entity where CRUD operations will be implemented.

Activity 2.3

Read the following sentences. Check true or false based on the information from the text.

CRUD cycles are always fixed. **TRUE** **FALSE**

CRUD operations are identical to HTTP verbs. **TRUE** **FALSE**

Through CRUDS, users have no rights to create. **TRUE** **FALSE**

You should avoid the creation of a set of procedures. **TRUE** **FALSE**

Database schema can be updated. **TRUE** **FALSE**

Activity 2.4

[Click here](#) to remember the ideas introduced in the text.