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```
Algorithm Get
Input: key_in: key of a key-value pair to find
Output: value_out: a value of the found key-value pair
HKEY hKey;
If (RegOpenKeyEx(RootKey, DBName, 0, KEY QUERY VALUE, &hKey)
  != ERROR SUCCESS)
{
  return FAIL_TO_GET;
}
if (RegQueryValueEx(hKey, key_in, NULL, NULL, value_out, NULL)
  != ERROR_SUCCESS)
{
  RegCloseKey(hKey);
  return FAIL_TO_GET;
}
RegCloseKey(hKey);
return value_out;
```

Algorithm Put

Input: (key_in, value_in): a key-value pair to store

```
HKEY hKey;
if (RegCreateKey(RootKey, DBName, &hKey) != ERROR_SUCCESS)
{
  return FAIL_TO_PUT;
}
if (RegSetValueEx(hKey, key_in, 0, REG_SZ, (LPBYTE)value_in, sizeof(value_in))
  != ERROR_SUCCESS)
{
    RegCloseKey(hKey);
    return FAIL_TO_PUT;
}
RegCloseKey(hKey);
```

Algorithm Delete

Input: *key_in*: key of a key-value pair to delete

```
HKEY hKey;
if (RegOpenKeyEx(RootKey, DBName, 0, KEY_ALL_ACCESS, &hKey)
    != ERROR_SUCCESS)
{
    return FAIL_TO_DELETE;
}
if (RegDeleteKeyValue(RootKey, DBName, key_in) != ERROR_SUCCESS)
{
    RegCloseKey(hKey);
    return FAIL_TO_DELETE;
}
RegCloseKey(hKey);
```

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