hbase-ex1

June 3, 2025

```
[1]: # %pip install thrift --no-cache-dir
     %pip install thriftpy2 --no-cache-dir
     %pip install happybase --no-cache-dir
```

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  Installing build dependencies: started
  Installing build dependencies: finished with status 'done'
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  Getting requirements to build wheel: started
  Getting requirements to build wheel: finished with status 'done'
  Preparing metadata (pyproject.toml): started
  Preparing metadata (pyproject.toml): finished with status 'done'
Collecting Cython>=3.0.10 (from thriftpy2)
  Downloading cython-3.1.1-cp312-cp312-win_amd64.whl.metadata (3.6 kB)
Collecting ply<4.0,>=3.4 (from thriftpy2)
  Downloading ply-3.11-py2.py3-none-any.whl.metadata (844 bytes)
Requirement already satisfied: six~=1.15 in c:\users\gaurav
chugh\appdata\roaming\python\python312\site-packages (from thriftpy2) (1.17.0)
Downloading ply-3.11-py2.py3-none-any.whl (49 kB)
Downloading cython-3.1.1-cp312-cp312-win_amd64.whl (2.7 MB)
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Building wheels for collected packages: thriftpy2
  Building wheel for thriftpy2 (pyproject.toml): started
  Building wheel for thriftpy2 (pyproject.toml): finished with status 'done'
  Created wheel for thriftpy2:
filename=thriftpy2-0.5.2-cp312-cp312-win_amd64.whl size=814727
sha256=ef52a7418911fdd49545f55a8595693cbb8b23b37b8186346f834b0c57baae07
  Stored in directory: C:\Users\Gaurav Chugh\AppData\Local\Temp\pip-ephem-wheel-
cache-
lwovoz7p\wheels\c9\ce\d5\93b65735501e7c6f4c8900c33a98cf9f2f1718490df69ad68c
Successfully built thriftpy2
Installing collected packages: ply, Cython, thriftpy2

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Successfully installed Cython-3.1.1 ply-3.11 thriftpy2-0.5.2
Note: you may need to restart the kernel to use updated packages.

  DEPRECATION: Building 'happybase' using the legacy setup.py bdist_wheel
mechanism, which will be removed in a future version. pip 25.3 will enforce this
behaviour change. A possible replacement is to use the standardized build
interface by setting the `--use-pep517` option, (possibly combined with `--no-
build-isolation`), or adding a `pyproject.toml` file to the source tree of
'happybase'. Discussion can be found at https://github.com/pypa/pip/issues/6334

Defaulting to user installation because normal site-packages is not writeable
Collecting happybase
  Downloading happybase-1.2.0.tar.gz (40 kB)
  Preparing metadata (setup.py): started
  Preparing metadata (setup.py): finished with status 'done'
Requirement already satisfied: six in c:\users\gaurav
chugh\appdata\roaming\python\python312\site-packages (from happybase) (1.17.0)
Requirement already satisfied: thriftpy2>=0.4 in c:\users\gaurav
chugh\appdata\roaming\python\python312\site-packages (from happybase) (0.5.2)
Requirement already satisfied: Cython>=3.0.10 in c:\users\gaurav
chugh\appdata\roaming\python\python312\site-packages (from
thriftpy2>=0.4->happybase) (3.1.1)
Requirement already satisfied: ply<4.0,>=3.4 in c:\users\gaurav
chugh\appdata\roaming\python\python312\site-packages (from
thriftpy2>=0.4->happybase) (3.11)
Building wheels for collected packages: happybase
  Building wheel for happybase (setup.py): started
  Building wheel for happybase (setup.py): finished with status 'done'
  Created wheel for happybase: filename=happybase-1.2.0-py2.py3-none-any.whl
size=26696
sha256=b945c5079115168b49b19eb83666ae072658febabf2eab87f0fbf41c05628e6d
  Stored in directory: C:\Users\Gaurav Chugh\AppData\Local\Temp\pip-ephem-wheel-
cache-
etvxva7p\wheels\03\58\dc\14ae040cb0d04a76a1b000090e4468a59521df02457a0fd803
Successfully built happybase
Installing collected packages: happybase
Successfully installed happybase-1.2.0
Note: you may need to restart the kernel to use updated packages.

```
b'1001' {b'info:age': b'21', b'info:name': b'Alice'}
b'1002' {b'info:age': b'23', b'info:name': b'Bob'}
b'1003' {b'info:age': b'36', b'info:name': b'Gaurav'}
```

[2]:
```python
import happybase

connection = happybase.Connection('localhost')
table = connection.table('practice:students')

for key, data in table.scan():
    print(key, data)
```

```
b'1001' {b'info:age': b'21', b'info:name': b'Alice'}
b'1002' {b'info:age': b'23', b'info:name': b'Bob'}
b'1003' {b'info:age': b'36', b'info:name': b'Gaurav'}
```

[3]:
```python
table.put(b'1003', {
    b'info:name': b'Charlie',
    b'info:age': b'22'
})
```

[4]:
```python
row = table.row(b'1003')
print(row)
```

```
{b'info:age': b'22', b'info:name': b'Charlie'}
```

[ ]: