

SPRINT 2

Team ID PNT2022TMID20737

Project Name PERSONAL EXPENSE TRACKER APPLICATION

The screenshot displays the IBM Db2 on Cloud web interface. The browser's address bar shows the URL: `bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Ffb62d5ddf4974...`. The console header includes the IBM Db2 on Cloud logo and navigation tabs: Load Data, Load History, **Tables**, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The main content area is divided into two panels. The left panel, titled 'Schemas', contains a table with one entry: ZYP30286 (User) with 6 tables. The right panel, titled 'Tables', contains a table with six entries: CLIENT, EXPENSES, LOGIN, STUDENTS, TRANSACTION, and USERS, all belonging to the ZYP30286 schema. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 4:31 PM on 11/14/2022.

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

Find schemas or tables Refresh

Schemas

<input checked="" type="checkbox"/> Name	Type	Tables
<input checked="" type="checkbox"/> ZYP30286	User	6

Total: 1, selected: 1

Tables

<input type="checkbox"/> Name	Schema	Properties
<input type="checkbox"/> CLIENT	ZYP30286	...
<input type="checkbox"/> EXPENSES	ZYP30286	...
<input type="checkbox"/> LOGIN	ZYP30286	...
<input type="checkbox"/> STUDENTS	ZYP30286	...
<input type="checkbox"/> TRANSACTION	ZYP30286	...
<input type="checkbox"/> USERS	ZYP30286	...

Total: 6, selected: 0

4:31 PM 11/14/2022

```
Command Prompt
C:\Users\shriv>pip install ibm-db
Defaulting to user installation because normal site-packages is not writeable
Collecting ibm-db
  Downloading ibm_db-3.1.3.tar.gz (1.4 MB)
    ----- 1.4/1.4 MB 808.0 kB/s eta 0:00:00
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Installing backend dependencies ... done
  Preparing metadata (pyproject.toml) ... done
Building wheels for collected packages: ibm-db
  Building wheel for ibm-db (pyproject.toml) ... done
  Created wheel for ibm-db: filename=ibm_db-3.1.3-py3-none-any.whl size=29935624 sha256=bc65cb757f6f0c04c302e1f268f345ea3572d795582bdb2efc6289c1051bbe61
  Stored in directory: c:\users\shriv\appdata\local\pip\cache\wheels\f9\ce\b0\6654fb9ed85cc0777e23ca274708b503f23daf30fe958579d4
Successfully built ibm-db
Installing collected packages: ibm-db
Successfully installed ibm-db-3.1.3

C:\Users\shriv>pip install ibm-cos-sdk
Defaulting to user installation because normal site-packages is not writeable
Collecting ibm-cos-sdk
  Downloading ibm-cos-sdk-2.12.0.tar.gz (55 kB)
    ----- 55.6/55.6 kB 223.7 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting ibm-cos-sdk-core==2.12.0
  Downloading ibm-cos-sdk-core-2.12.0.tar.gz (956 kB)
    ----- 956.8/956.8 kB 904.1 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting ibm-cos-sdk-s3transfer==2.12.0
  Downloading ibm-cos-sdk-s3transfer-2.12.0.tar.gz (135 kB)
    ----- 135.7/135.7 kB 804.1 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting jmespath<1.0.0,>=0.10.0
  Downloading jmespath-0.10.0-py2.py3-none-any.whl (24 kB)
Collecting python-dateutil<3.0.0,>=2.8.2
  Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
    ----- 247.7/247.7 kB 1.1 MB/s eta 0:00:00
  Downloading ibm-cos-sdk-s3transfer-2.12.0.tar.gz (135 kB)
    ----- 135.7/135.7 kB 804.1 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting requests<3.0,>=2.27.1
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    ----- 62.8/62.8 kB 482.6 kB/s eta 0:00:00
Collecting urllib3<1.27,>=1.26.9
  Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
    ----- 140.4/140.4 kB 594.3 kB/s eta 0:00:00
Collecting six>=1.5
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting charset-normalizer<3,>=2
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
    ----- 61.5/61.5 kB 545.7 kB/s eta 0:00:00
Collecting certifi>=2017.4.17
  Downloading certifi-2022.9.24-py3-none-any.whl (161 kB)
    ----- 161.1/161.1 kB 371.6 kB/s eta 0:00:00
Installing collected packages: urllib3, six, jmespath, idna, charset-normalizer, certifi, requests, python-dateutil, ibm-cos-sdk-core, ibm-cos-sdk-s3transfer
WARNING: The script normalizer.exe is installed in 'C:\Users\shriv\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
DEPRECATION: ibm-cos-sdk-core is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for ibm-cos-sdk-core ... done
DEPRECATION: ibm-cos-sdk-s3transfer is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for ibm-cos-sdk-s3transfer ... done
DEPRECATION: ibm-cos-sdk is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for ibm-cos-sdk ... done
Successfully installed certifi-2022.9.24 charset-normalizer-2.1.1 ibm-cos-sdk-2.12.0 ibm-cos-sdk-core-2.12.0 ibm-cos-sdk-s3transfer-2.12.0 idna-3.4 jmespath-0.10.0
python-dateutil-2.8.2 requests-2.28.1 six-1.16.0 urllib3-1.26.12

C:\Users\shriv>
```

```
Select Command Prompt
  Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
    ----- 247.7/247.7 kB 1.1 MB/s eta 0:00:00
Collecting requests<3.0,>=2.27.1
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    ----- 62.8/62.8 kB 482.6 kB/s eta 0:00:00
Collecting urllib3<1.27,>=1.26.9
  Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
    ----- 140.4/140.4 kB 594.3 kB/s eta 0:00:00
Collecting six>=1.5
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting charset-normalizer<3,>=2
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
    ----- 61.5/61.5 kB 545.7 kB/s eta 0:00:00
Collecting certifi>=2017.4.17
  Downloading certifi-2022.9.24-py3-none-any.whl (161 kB)
    ----- 161.1/161.1 kB 371.6 kB/s eta 0:00:00
Installing collected packages: urllib3, six, jmespath, idna, charset-normalizer, certifi, requests, python-dateutil, ibm-cos-sdk-core, ibm-cos-sdk-s3transfer
WARNING: The script normalizer.exe is installed in 'C:\Users\shriv\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
DEPRECATION: ibm-cos-sdk-core is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for ibm-cos-sdk-core ... done
DEPRECATION: ibm-cos-sdk-s3transfer is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for ibm-cos-sdk-s3transfer ... done
DEPRECATION: ibm-cos-sdk is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for ibm-cos-sdk ... done
Successfully installed certifi-2022.9.24 charset-normalizer-2.1.1 ibm-cos-sdk-2.12.0 ibm-cos-sdk-core-2.12.0 ibm-cos-sdk-s3transfer-2.12.0 idna-3.4 jmespath-0.10.0
python-dateutil-2.8.2 requests-2.28.1 six-1.16.0 urllib3-1.26.12

C:\Users\shriv>
```



LET'S START JOURNEY

Fin Budget web application helps
you to maintain budget
and analyse the expense...

Let's Begin

Add Expense

Date

dd / mm / yyyy

Expense name

Expense Amount

Pay-Mode

Category

Add

