

PERSONAL EXPENSE TRACKER

SPRINT-2

Date	27-October 2022
Team ID	PNT2022TMID14542
Project Name	Project – Personal Expense Tracker

USERS TABLE:

The screenshot displays the IBM Db2 on Cloud web interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is active, showing a list of tables: 'transactions' and 'users', both in the 'WJG29123' schema. The 'users' table is selected, and its definition is shown in the right pane. The table definition pane includes a 'View data' button. The table definition is as follows:

Name	Data type	Nullable	Length	Scale
id	INTEGER	N		0
first_name	VARCHAR	Y	100	0
last_name	VARCHAR	Y	100	0
email	VARCHAR	Y	100	0
username	VARCHAR	Y	100	0
password	VARCHAR	Y	100	0
role	VARCHAR	Y	100	0

TRANSACTIONS TABLE:

IBM Db2 on Cloud

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

Find schemas or tables Refresh

Tables New table +

Name	Schema	Properties
transactions	WJG29123	...
users	WJG29123	...

Total: 2, selected: 0

Table definition

transactions
Approximate 10 rows (32.0 KB)
Updated on 2022-11-19 06:12:39

Name	Data type	Nullable	Length	Scale
id	INTEGER	N		0
user_id	INTEGER	Y		0
amount	INTEGER	N		0
description	VARCHAR	Y	255	0
category	VARCHAR	Y	255	0
date	TIMESTAMP	Y	10	6

View data

TRANSACTIONS DATA:

IBM Db2 on Cloud

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

WJG29123.transactions Back

Export to CSV

id	user_id	amount	description	category	date
5	1	1000	For Concert	Miscellaneous	2022-11-13 11:24:47.31394
6	1	1000	Train to CBE	Transportation	2022-11-13 11:41:36.287115
7	1	1000	Train to CBE	Transportation	2022-11-13 11:44:24.687136
8	1	100	Test	Miscellaneous	2022-11-15 07:59:12.231418
9	2	450	Aradhanas	Food	2022-11-18 05:59:47.328221
12	2	3000	Tour	Vacations	2022-11-18 06:04:43.146821
13	2	100	Auto	Transportation	2022-11-18 06:06:10.952729
14	2	300	Breakfast in hotel	Food	2022-11-19 05:27:11.772504

USERS DATA:

IBM Db2 on Cloud

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

WJG29123.users Back

Export to CSV

id	first_name	last_name	email	username	password	role	monthly_limit
1	praniis	praniis	praniis@praniis.com	praniis	\$5\$rounds=535000\$WVIfGk.Bbc2A	user	2000
2	Joodith	Hermmina	joodithl@gmail.com	Joody	\$5\$rounds=535000\$WDHKa/exlyqYXM5i\$LPoSLLtWPGgU8ChIvciNmCCHhb4xgPBCa.ozKhR81	user	5000
3	Raghunandhan	A.J	raghunandan.19cs@kct.ac.in	raghu	\$5\$rounds=535000\$d.na53dmiVw4Ttky\$tRZIYvZG9rMLEsb7ugu/JLOOC43I/OMAIjBV/ae2	user	5000

```
import ibm_db
from config import DB2_CONNECTION_STR
print(DB2_CONNECTION_STR)
print("Connecting to IBM DB2...")
dbConn = ibm_db.pconnect(DB2_CONNECTION_STR, "", "")
print("Connected to IBM DB2")

def select(query, params=None):
    try:
        stmt = ibm_db.prepare(dbConn, query)
        if (params == None):
            ibm_db.execute(stmt)
        else:
            params = tuple(params)
            ibm_db.execute(stmt, params)
        row = ibm_db.fetch_assoc(stmt)
        data = []
        while (row):
            data.append(row)
            row = ibm_db.fetch_assoc(stmt)
        return data
    except:
        return False
```

```
def insert(query, params):  
    try:  
        if (params != None):  
            params = tuple(params)  
            stmt = ibm_db.prepare(dbConn, query)  
            ibm_db.execute(stmt, params)  
            return True  
    except:  
        return False
```

```
def update(query, params):  
    try:  
        if (params != None):  
            params = tuple(params)  
            stmt = ibm_db.prepare(dbConn, query)  
            ibm_db.execute(stmt, params)  
            return True  
    except:  
        return False
```

```
def delete(query, params):  
    try:  
        if (params != None):  
            params = tuple(params)  
            stmt = ibm_db.prepare(dbConn, query)  
            ibm_db.execute(stmt, params)  
            return True
```