Q.2 Create Book_type by grouping the information Bookno, Title, and Author. Create table Purchase with Pid, book_details, date, amount. Insert five records in Purchase Table.

SQL QUERY:

-- Step 1: Create or replace the Book_type user-defined type
```
CREATE OR REPLACE TYPE Book_type AS OBJECT (
   Bookno NUMBER,
   Title VARCHAR2(100),
   Author VARCHAR2(100)
);
```

-- Step 2: Create the Purchase table using the Book_type type
```
CREATE TABLE Purchase (
   Pid NUMBER,
   book_details Book_type,
   purchase_date DATE,
   amount NUMBER
);
```

-- Step 3: Insert five records into the Purchase table
```
INSERT INTO Purchase (Pid, book_details, purchase_date, amount)
VALUES (1, Book_type(101, 'Book 1', 'Author 1'), TO_DATE('2023-10-28', 'YYYY-MM-DD'),
20.00);

INSERT INTO Purchase (Pid, book_details, purchase_date, amount)
VALUES (2, Book_type(102, 'Book 2', 'Author 2'), TO_DATE('2023-10-27', 'YYYY-MM-DD'),
25.00);

INSERT INTO Purchase (Pid, book_details, purchase_date, amount)
VALUES (3, Book_type(103, 'Book 3', 'Author 3'), TO_DATE('2023-10-26', 'YYYY-MM-DD'),
30.00);

INSERT INTO Purchase (Pid, book_details, purchase_date, amount)
VALUES (4, Book_type(104, 'Book 4', 'Author 4'), TO_DATE('2023-10-25', 'YYYY-MM-DD'),
35.00);

INSERT INTO Purchase (Pid, book_details, purchase_date, amount)
VALUES (5, Book_type(105, 'Book 5', 'Author 5'), TO_DATE('2023-10-24', 'YYYY-MM-DD'),
40.00);
```

SELECT * FROM Purchase;

PID	BOOK_DETAILS	PURCHASE_DATE	AMOUNT
1	[unsupported data type]	28-OCT-23	20
2	[unsupported data type]	27-OCT-23	25
3	[unsupported data type]	26-OCT-23	30
4	[unsupported data type]	25-OCT-23	35
5	[unsupported data type]	24-OCT-23	40

```
SELECT p.book_details.Title, p.book_details.Author, p.pid, p.purchase_date, p.amount
FROM Purchase p;
```

BOOK_DETAILS.TITLE	BOOK_DETAILS.AUTHOR	PID	PURCHASE_DATE	AMOUNT
Book 1	Author 1	1	28-OCT-23	20
Book 2	Author 2	2	27-OCT-23	25
Book 3	Author 3	3	26-OCT-23	30
Book 4	Author 4	4	25-OCT-23	35
Book 5	Author 5	5	24-OCT-23	40