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- Create a stored procedure to display the user information by the username and Password :

```
CREATE OR REPLACE PROCEDURE GetUserInfoByUsernamePassword (
    p_Username IN VARCHAR2,
    p_Password IN VARCHAR2
) AS
BEGIN
    FOR rec IN (
        SELECT * FROM UserInfo
        WHERE UserID IN (SELECT UserID FROM UserLogin WHERE Username = p_Username AND
Password = p_Password)
    ) LOOP
        DBMS_OUTPUT.PUT_LINE('UserID: ' || rec.UserID || ', FirstName: ' || rec.FirstName || ',
LastName: ' || rec.LastName || ', Email: ' || rec.Email || ', Phone: ' || rec.Phone);
    END LOOP;
END;

EXEC GetUserInfoByUsernamePassword('user1', 'password1');
```

- Create a stored procedure to display orders at intervals in the database :

```
CREATE OR REPLACE PROCEDURE GetOrdersAtIntervals (
    p_StartDate IN TIMESTAMP,
    p_EndDate IN TIMESTAMP
) AS
BEGIN
    FOR rec IN (
        SELECT * FROM "Order"
        WHERE OrderDate BETWEEN p_StartDate AND p_EndDate
    ) LOOP
        DBMS_OUTPUT.PUT_LINE('OrderID: ' || rec.OrderID || ', UserID: ' || rec.UserID || ',
OrderDate: ' || rec.OrderDate || ', TotalAmount: ' || rec.TotalAmount);
    END LOOP;
END;

EXEC GetOrdersAtIntervals(TIMESTAMP '2024-01-01 00:00:00', TIMESTAMP '2024-12-31
23:59:59');
```

- Create a stored procedure to display orders by start date in the database :

```
CREATE OR REPLACE PROCEDURE GetOrdersByStartDate (
    p_StartDate IN TIMESTAMP
) AS
BEGIN
    FOR rec IN (
        SELECT * FROM "Order"
        WHERE OrderDate >= p_StartDate
    ) LOOP
        DBMS_OUTPUT.PUT_LINE('OrderID: ' || rec.OrderID || ', UserID: ' || rec.UserID || ',
OrderDate: ' || rec.OrderDate || ', TotalAmount: ' || rec.TotalAmount);
    END LOOP;
END;

EXEC GetOrdersByStartDate(TIMESTAMP '2024-01-01 00:00:00');
```

- Create a stored procedure to display orders by start date in the database :

```
CREATE OR REPLACE PROCEDURE GetAllProducts (

) AS

BEGIN

    FOR rec IN (

        SELECT ProductName, Price FROM Product

    ) LOOP

        DBMS_OUTPUT.PUT_LINE('Product Name: ' || rec.ProductName || ', Price: ' || rec.Price);

    END LOOP;

END;


EXEC GetAllProducts();
```

- Create a stored procedure to display products by product name in the database :

```
CREATE OR REPLACE PROCEDURE GetProductsByName (
  p_ProductName IN VARCHAR2
) AS
BEGIN
  FOR rec IN (
    SELECT * FROM Product
    WHERE ProductName LIKE '%' || p_ProductName || '%'
  ) LOOP
    DBMS_OUTPUT.PUT_LINE('ProductID: ' || rec.ProductID || ', ProductName: ' ||
rec.ProductName || ', Price: ' || rec.Price);
  END LOOP;
END;


EXEC GetProductsByName('Smartphone');
```

```
CREATE OR REPLACE PACKAGE Ecommerce_Package AS

  PROCEDURE DisplayUserInfo(Username IN VARCHAR2, Password IN VARCHAR2);

  PROCEDURE DisplayOrdersAtInterval(StartDate IN TIMESTAMP, EndDate IN TIMESTAMP);

  PROCEDURE DisplayOrdersByStartDate(StartDate IN TIMESTAMP);

  PROCEDURE DisplayAllProductNamesAndPrices;

  PROCEDURE DisplayProductsByName(ProductName IN VARCHAR2);

END Ecommerce_Package;
/
```

```sql
CREATE OR REPLACE PACKAGE BODY Ecommerce_Package AS


  PROCEDURE DisplayUserInfo(Username IN VARCHAR2, Password IN VARCHAR2) IS
  BEGIN
    FOR rec IN (SELECT * FROM UserLogin u JOIN UserInfo ui ON u.UserID = ui.UserID
         WHERE u.Username = Username AND u.Password = Password) LOOP
      DBMS_OUTPUT.PUT_LINE('User: ' || rec.FirstName || ' ' || rec.LastName ||
               ' Email: ' || rec.Email);
    END LOOP;
  END DisplayUserInfo;


  PROCEDURE DisplayOrdersAtInterval(StartDate IN TIMESTAMP, EndDate IN TIMESTAMP) IS
  BEGIN
    FOR rec IN (SELECT * FROM "Order" WHERE OrderDate BETWEEN StartDate AND EndDate) LOOP
      DBMS_OUTPUT.PUT_LINE('OrderID: ' || rec.OrderID ||
               ' UserID: ' || rec.UserID ||
               ' TotalAmount: ' || rec.TotalAmount);
    END LOOP;
  END DisplayOrdersAtInterval;


  PROCEDURE DisplayOrdersByStartDate(StartDate IN TIMESTAMP) IS
  BEGIN
    FOR rec IN (SELECT * FROM "Order" WHERE OrderDate >= StartDate) LOOP
      DBMS_OUTPUT.PUT_LINE('OrderID: ' || rec.OrderID ||
```

```sql
                              ' UserID: ' || rec.UserID ||

                              ' TotalAmount: ' || rec.TotalAmount);

        END LOOP;

    END DisplayOrdersByStartDate;


    PROCEDURE DisplayAllProductNamesAndPrices IS
    BEGIN
        FOR rec IN (SELECT ProductName, Price FROM Product) LOOP

            DBMS_OUTPUT.PUT_LINE('Product Name: ' || rec.ProductName ||

                        ' Price: ' || rec.Price);

        END LOOP;

    END DisplayAllProductNamesAndPrices;


    PROCEDURE DisplayProductsByName(ProductName IN VARCHAR2) IS
    BEGIN
        FOR rec IN (SELECT * FROM Product WHERE ProductName LIKE '%' || ProductName || '%') LOOP

            DBMS_OUTPUT.PUT_LINE('Product ID: ' || rec.ProductID ||

                        ' Product Name: ' || rec.ProductName ||

                        ' Price: ' || rec.Price);

        END LOOP;

    END DisplayProductsByName;


END Ecommerce_Package;
/
```