Tab 1

User: SYSTEM

Home > SQL > SQL Commands

Autocommit Display 10

```
CREATE OR REPLACE FUNCTION factorial(n NUMBER)
RETURN NUMBER
IS
  result NUMBER := 1;
BEGIN
  FOR i IN 1..n LOOP
    result := result * i;
  END LOOP;
  RETURN result;
END;
/
```

Results Explain Describe Saved SQL History

```
Function created.
```

0.03 seconds

User: SYSTEM

Home > SQL > SQL Commands

Autocommit Display 10

```
DECLARE
  num NUMBER := 5;
  fact NUMBER;
BEGIN
  fact := factorial(num);
  DBMS_OUTPUT.PUT_LINE('Factorial of ' || num || ' is: ' || fact);
END;
/
```

Results Explain Describe Saved SQL History

```
Factorial of 5 is: 120

Statement processed.
```

0.00 seconds

Tab 2

User: SYSTEM

Home > SQL > SQL Commands

Autocommit Display 10

```
CREATE TABLE LIBRARY (
  BOOK_ID      NUMBER PRIMARY KEY,
  TITLE        VARCHAR2(100),
  AUTHOR       VARCHAR2(100),
  PUBLISHED_YEAR NUMBER
);
```

Results Explain Describe Saved SQL History

Table created.

0.09 seconds

User: SYSTEM

Home > SQL > SQL Commands

Autocommit Display 10

```
CREATE OR REPLACE PROCEDURE get_book_info (
  p_book_id IN NUMBER,
  p_title OUT VARCHAR2,
  p_author OUT VARCHAR2,
  p_year OUT NUMBER
)
IS
BEGIN
  SELECT TITLE, AUTHOR, PUBLISHED_YEAR
  INTO p_title, p_author, p_year
  FROM LIBRARY
  WHERE BOOK_ID = p_book_id;
END;
/
```

Results Explain Describe Saved SQL History

```
Procedure created.
```

0.02 seconds

User: SYSTEM

Home > SQL > SQL Commands

Autocommit Display 10

```
DECLARE
  v_title VARCHAR2(100);
  v_author VARCHAR2(100);
  v_year NUMBER;
BEGIN
  get_book_info(101, v_title, v_author, v_year);
  DBMS_OUTPUT.PUT_LINE('Title: ' || v_title);
  DBMS_OUTPUT.PUT_LINE('Author: ' || v_author);
  DBMS_OUTPUT.PUT_LINE('Published Year: ' || v_year);
END;
/
```

Results Explain Describe Saved SQL History

```
Title: Introduction to PL/SQL
Author: John Watson
Published Year: 2015

Statement processed.
```

0.00 seconds