

Created by Ahsan Arif

Declarative, executable, and exception.

To Practice this topic please follows all the instructions step by step from below.

STEP 1:

```
CREATE TABLE lecturer (  
  id          NUMBER(5) PRIMARY KEY,  
  first_name  VARCHAR2(20),  
  last_name   VARCHAR2(20),  
  major       VARCHAR2(30),  
  current_credits NUMBER(3)  
);
```

STEP 2:

```
INSERT INTO lecturer (id, first_name, last_name, major, current_credits)  
VALUES (10001, 'Scott', 'Lawson', 'Computer Science', 11);
```

```
INSERT INTO lecturer (id, first_name, last_name, major, current_credits)  
VALUES (10002, 'Mar', 'Wells', 'History', 4);
```

STEP 3:

```
select * from lecturer;
```

ID	FIRST_NAME	LAST_NAME	MAJOR	CURRENT_CREDITS
100001	Scott	Lawson	Computer Science	11.00
100002	Mar	Wells	History	4.00

STEP 4:

```
CREATE TABLE myLogTable (  
  code          NUMBER,  
  message       VARCHAR2(200),  
  info          VARCHAR2(100)  
);
```

STEP 5:

```
DECLARE  
  myLecturerID NUMBER(5) := 10000;  
  firstName VARCHAR2(20);  
  
BEGIN  
  SELECT first_name  
  INTO firstName  
  FROM lecturer  
  WHERE id = myLecturerID;  
EXCEPTION  
  WHEN NO_DATA_FOUND THEN  
    INSERT INTO myLogTable (info)  
    VALUES ('Student 10,000 does not exist!');  
END;  
/
```