



## Exercise Three

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3.1 Using SQL Commands, create a simple PLSQL process to insert a new record into the Stock\_Information table, its structure is as follows ...

|                             |                                |
|-----------------------------|--------------------------------|
| <i>SI_STOCK_NUMBER</i>      | <i>NOT NULL NUMBER( 5 )</i>    |
| <i>SI_SECTION_NUMBER</i>    | <i>NOT NULL NUMBER( 5 )</i>    |
| <i>SI_STOCK_DESCRIPTION</i> | <i>NOT NULL VARCHAR2( 40 )</i> |
| <i>SI_UNIT_PRICE</i>        | <i>NUMBER( 6 , 2 )</i>         |
| <i>SI_NO_IN_STOCK</i>       | <i>NUMBER( 8 )</i>             |
| <i>SI_CREATED_BY</i>        | <i>NOT NULL VARCHAR2( 30 )</i> |
| <i>SI_CREATED_DATE</i>      | <i>NOT NULL DATE</i>           |
| <i>SI_UPDATED_BY</i>        | <i>VARCHAR2( 30 )</i>          |
| <i>SI_UPDATED_DATE</i>      | <i>DATE</i>                    |



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3.1 continued ...

Note that SI\_SECTION\_NUMBER is a foreign key to the Section\_details table and that SI\_STOCK\_NUMBER is a Primary Key. Save as ex3\_1

```
Results Explain Describe Saved SQL History
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1 row(s) inserted.

0.01 seconds
```



## Exercise Three

3.2 Amend the ex3\_1 to insert values from local variables defined in the declaration section. Save as ex3\_2

3.3 If not already done so, amend ex3\_2 so that the variables datatypes are using the %type method. Save as ex3\_3

The Saved SQL should resemble the following ...

| <input type="checkbox"/> | Owner          | Name                  | Description | SQL   | Updated By     | Updated        |
|--------------------------|----------------|-----------------------|-------------|---|----------------|----------------|
| <input type="checkbox"/> | PLSQL1000_USER | <a href="#">ex3_3</a> | -           | declare l_stock_number stock_information.si_stock_number%type := 101; l_section_number stock_information.si_s | PLSQL1000_USER | 1 seconds ago  |
| <input type="checkbox"/> | PLSQL1000_USER | <a href="#">ex3_2</a> | -           | declare l_stock_number number(8) := 100; l_section_number number(8) := 6; l_stock_description varchar2(3      | PLSQL1000_USER | 16 minutes ago |
| <input type="checkbox"/> | PLSQL1000_USER | <a href="#">ex3_1</a> | -           | declare begin insert into stock_information (si_stock_number ,si_section_number ,si_stock_descripti           | PLSQL1000_USER | 20 minutes ago |