**STORED PROCEDURES**

**Stored Procedure 1:**

|  |  |
| --- | --- |
| **Stored procedure name** | SelectAllCustomers |
| **Description** | Selects all records from ‘customers’ table |
| **Input parameters** | NIL |
| **Output parameters** | NIL |

**Stored procedure creation:**

CREATE PROCEDURE SelectAllCustomers()

Begin

select \* from customers;

End

**Stored Procedure 2:**

|  |  |
| --- | --- |
| **Stored procedure name** | SelectAllCustomersByCity |
| **Description** | Selects records from ‘customers’ table that are having a particular ‘city’ |
| **Input parameters** | city\_name |
| **Output parameters** | NIL |

**Stored procedure creation:**

CREATE PROCEDURE SelectAllCustomersByCity(IN city\_name varchar(50))

Begin

select \* from customers

where city=city\_name;

End

**Stored Procedure 3:**

|  |  |
| --- | --- |
| **Stored procedure name** | SelectAllCustomersByCityAndPin |
| **Description** | Selects records having a particular ‘city’ and a particular ‘postalCode’ from ‘customers’ table |
| **Input parameters** | city\_name, postal\_code |
| **Output parameters** | NIL |

**Stored procedure creation:**

CREATE PROCEDURE SelectAllCustomersByCityAndPin(IN city\_name varchar(50), IN postal\_code varchar(15))

Begin

select \* from customers

where city=city\_name and postalCode=postal\_code;

End

**Stored Procedure 4:**

|  |  |
| --- | --- |
| **Stored procedure name** | get\_order\_by\_cust |
| **Description** | Shows the total number of orders that were shipped, cancelled, resolved and disputed for a particular ‘customernumber’ |
| **Input parameters** | cust\_no |
| **Output parameters** | shipped, cancelled, resolved, disputed |

**Stored procedure creation:**

CREATE PROCEDURE GET\_ORDER\_BY\_CUST(

IN CUST\_NO INT,

OUT SHIPPED INT,

OUT CANCELLED INT,

OUT RESOLVED INT,

OUT DISPUTED INT

)

BEGIN

-- SHIPPED

SELECT COUNT(\*) INTO SHIPPED FROM ORDERS WHERE CUSTOMERNUMBER=CUST\_NO AND STATUS="SHIPPED";

-- CANCELLED

SELECT COUNT(\*) INTO CANCELLED FROM ORDERS WHERE CUSTOMERNUMBER=CUST\_NO AND STATUS="CANCELLED";

-- RESOLVED

SELECT COUNT(\*) INTO RESOLVED FROM ORDERS WHERE CUSTOMERNUMBER=CUST\_NO AND STATUS="RESOLVED";

-- DISPUTED

SELECT COUNT(\*) INTO DISPUTED FROM ORDERS WHERE CUSTOMERNUMBER=CUST\_NO AND STATUS="DISPUTED";

END

**Stored Procedure 5:**

|  |  |
| --- | --- |
| **Stored procedure name** | GET\_CUSTOMER\_SHIPPING |
| **Description** | Shows the shipping duration based on the country of the customer. If the country is ‘USA’, then the shipping duration is ‘2-day shipping’. If the country is ‘Canada, then the shipping duration is ‘3-day shipping’. If the country is neither of these two, then the shipping duration is ‘5-day shipping’. |
| **Input parameters** | customer number |
| **Output parameters** | shipping duration |

**Stored procedure creation:**

CREATE PROCEDURE GET\_CUSTOMER\_SHIPPING(

IN P\_CUST\_NUMBER INT,

OUT P\_SHIPPING VARCHAR(50)

)

BEGIN

DECLARE CUST\_COUNTRY VARCHAR(100);

SELECT COUNTRY INTO CUST\_COUNTRY FROM CUSTOMERS WHERE CUSTOMERNUMBER=P\_CUST\_NUMBER;

CASE CUST\_COUNTRY

WHEN "USA" THEN

SET P\_SHIPPING = "2-DAY SHIPPING";

WHEN "CANADA" THEN

SET P\_SHIPPING = "3-DAY SHIPPING";

ELSE

SET P\_SHIPPING = "5-DAY SHIPPING";

END CASE;

END

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