Date: 17/03/2022

Q.
Create a table "Event_Type" with fields: EventType_Id (pk), EventType_name.

Create a table "Event_details" with fields: Event_Id, Event_Typeid (FK), Event_Booking_Date, Event_Total_amount, Event_OrganizerName, Event_ Place

Constraints:
1. Apply primary and foreign keys whenever necessary.
2. EventType_name value must be from the following : Wedding, RingCeremony, Birthday, BabyShower
3. Event_Total_amount must be greater than or equal to 0.
4. Event_place must be from "adajan", "piplod", "vesu"
5. Insert appropriate data minimum 5 to 6 records.

Simple Cursor:
A. Create a cursor that fetch all Eventtype from table Event_Type and display all data using simple loop
B. Create a cursor that fetch all Event Details from table Event_detail and display all data using for loop
C. Create a cursor that fetches event details and displays only Event_type_id, Event_OrganizerName and Event_place. Also check if the cursor is not found then display the message "cursornotfound" with "cursor rowcount" value.

Parameterised Cursor:
D. Create a cursor that fetches only those data whose Event_date is today's date and amount less than 5000 Rs and displays all information from eventdetails. Check if the cursor is open or not. If it's open then only fetch the records.
E. Create a cursor that fetches only eventtype containing values "Wedding" or "Ringceremony" and displays event type information.

INSTRUCTIONS:
Save all output of create table , insert data and cursors into docx file

On above table do the following with procedure and function:

1. Create a procedure that increases event_amount by 10% of event_place is "Vesu". Display the updated records from table (using cursor).
2. Create a procedure that finds maximum and minimum number of event_amount and display the output.
3. Create a procedure that shows all events details done between 01-jan-2022 to 01-feb-2022
4. Create a function that displays the total event amount held in the year 2022 and the event type is Birthday.
5. Create a function that shows the total number of events displayed event_type wise.
6. Create a procedure that inserts a new record in table "event_details" and after successful insertion show all records.

Unit 2: Exception Handling
ADS Practical Assignment(div-b)

Date: 05/04/2022

1. Create a pl/sql block that raises an exception "no data found", "too many rows", "value_error" and "zero divide" when any exception matches according to select queries from table "event_details".
2. Create a procedure "add_new_event" that inserts a new record in table "event_details" and raises the exception "DUP_VAL_ON_INDEX" if a duplicate value on the primary key gets inserted or raises an "OTHER" exception.
3. **User defined exceptions:**
   a. Create a cursor and display those 'event_id' data that enter by user (pass by user as argument) event-date wise . raise an user-defined exception "invalid-id" if the event_id passed by the user is not correct (zero or less than zero) and display the appropriate message.
   b. Create a procedure to update event_date. Check for event_dates values already exist in the table and if event_date is the same as update "event_date" value then raise an user-defined exception "same_date" and display the proper message to the user.

Unit 4: Trigger
ADS Practical Assignment(div-b)

Date: 05/04/2022

1. **Create a trigger that fires on the event_details table before any event occurs from insert , update or delete. If trigger is an update operation then update event amount and display appropriate message when event fires.**
2. **Create a trigger that fires on the "event_details" table before delete operation. If any data is deleted from "event_details" table then take backup (do insert) in "event_old" table.**