TANAJI RESEDENCY

NAMASKAR !

# Procedures

1. Procedure: get\_all\_reserv\_Id(id INT)
   * Description: Retrieves reservation records based on Reservation\_ID, Guest\_ID, or Room\_No. Provides a custom error if no record is found.
   * Feature: Flexibility to fetch data using various identifiers and custom error handling. o Syntax: call get\_all\_reserv\_Id(22);
   * Custom Error: "NAMASKAR! Check Your Entered Id, No Record Found From Your Entered ID."

1. Procedure: staff\_details\_by\_id(id INT)
   * Description: Fetches staff details by Work\_ID. Displays a custom error if the entered ID is invalid.
   * Feature: Shows staff details and handles invalid inputs. o Custom Error: "Namaskar! Your Entered ID Is Invalid."

1. Procedure: ins\_reserv\_with\_trans\_no(...)
   * Description: Inserts a reservation and simultaneously inserts a transaction, fetching the amount from the reservation table, Before inserting the transaction, it checks if the Transaction\_No already exists. If it does, an error is triggered.
   * Custom Error: "NAMASKAR! Transaction ID Already Exists. Please Create a New Transaction."
   * Parameters:

 id, Guest\_ID, Room\_No, Check\_in\_date, Check\_out\_date, Transaction\_No, Payment\_Status.

* + Feature: Automates transaction creation after reservation.

1. Procedure: ins\_guest(...)
   * Description: Inserts new guest information into the Guest table Before inserting, it checks if the document number (Document\_no) is already associated with another guest. If the document number is already in use, it triggers a custom error.
   * Parameters: Guest details like Name, DOB, Address, Pincode, Contact\_no, Email, Document\_type\_id, and Document\_no.
   * Custom Error: "NAMASKAR! Document Already in Use By Another Guest. Please Provide Your Unique Document ID."

1. Procedure: remove\_staff(id INT)

o Description: Deletes a staff member's record based on Staff\_ID.

1. Procedure: re\_all\_info()
   * Description: Retrieves all reservation-related information from a custom view reservation\_all\_info.

# Triggers

1. Trigger: auto\_amountBYdate
   * Description: Automatically calculates the reservation amount based on room price and stay duration when a new reservation is inserted.
   * Feature: Automatically multiplies the stay duration by the room price.

1. Trigger: dlt\_reservation

o Description: Cancels a reservation if the payment status is marked as "Failed."

* + Custom Message: "Namaskar! Your Transaction Failed! Your Reservation Has Been Cancelled."

1. Trigger: guest\_email
   * Description: Ensures that the guest's email ends with @gmail.com by appending it if missing.
   * Feature: Automatically corrects incomplete email inputs.

1. Trigger: date\_time\_error
   * Description: Prevents booking a room if it is already occupied on the same check-in date.
   * Custom Message: "Namashkar! Room Occupied. Your reservation Has Been Cancelled."

1. Trigger: dlt\_reservation\_and\_transaction o Description: Deletes the corresponding reservation when a transaction is deleted.

1. Trigger: ex\_staff
   * Description: Moves deleted staff records from the staff table to the ex\_staff table and updates the last\_day column with the current date.

1. Trigger: room\_ready

o Description: Prevents booking a room if it is not ready.

* + Custom Message: "NAMASKAR! Sorry For Inconvenience. Room is NOT READY."

1. Trigger Reservation id suggestion

* Description: prevents Duplicate entry of Reservation Id
* Custom message :- Namaskar! Your Entered Reservation ID Already Exists. Please Enter a New One such as 1119
* Suggestion for New Reservation Id

1. Trigger Guest\_id in reservation

* Description : check Guest id in guest table
* Custom message :- NAMASKAR ! Unidentified Guest Id CHeck Your Entered ID

# Functions

1. Function: yearly\_reservation\_count(yr INT)

o Description: Returns the count of reservations made in a specified year.

* + Custom Error: "NAMASKAR! RECORD NOT FOUND FROM THIS YEAR."

1. Function: total\_resrv\_monthly(m INT, yr INT)

o Description: Returns the count of reservations for a specific month and year.

* + Custom Error: "Namaskar! No Reservation Found on Your Entered Month In Year."

1. Function: AVG\_AMOUNT\_YEAR(ye INT)
   * Description: Calculates the average reservation amount for a given year.
   * Custom Error: "NAMASKAR! OOPS NO RECORD FOUND FOR YOUR ENTERED YEAR."

1. Func on: SUM\_AMOUNT\_YEAR(yo INT)
   * Descrip on: Calculates the total reserva on amount for a given year.
   * Custom Error: "NAMASKAR! OOPS NO RECORD FOUND FOR YOUR ENTERED YEAR."
   * Usage: The func on sums the amounts of all reserva ons made within the specified year (yo). If no records are found, a custom error is triggered.