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CREATE OR REPLACE PROCEDURE insert_patient_details(
  p_first_name IN VARCHAR2,
  p_middle_name IN VARCHAR2,
  p_last_name IN VARCHAR2,
  p_date_of_birth IN DATE,
  p_gender IN VARCHAR2,
  p_blood_group IN VARCHAR2,
  p_source_payment IN VARCHAR2,
  p_telephone IN VARCHAR2,
  p_address_line1 IN VARCHAR2,
  p_address_line2 IN VARCHAR2,
  p_area_name IN VARCHAR2,
  p_dependent_first_name IN VARCHAR2,
  p_dependent_middle_name IN VARCHAR2,
  p_dependent_last_name IN VARCHAR2,
  p_dependent_address_line1 IN VARCHAR2,
  p_dependent_address_line2 IN VARCHAR2,
  p_dependent_area_name IN VARCHAR2,
  p_dependent_telephone IN VARCHAR2
)
IS
  v_patient_id NUMBER;
  v_contact_id NUMBER;
  v_dependent_id NUMBER;
BEGIN
  -- Generate patient ID
  v_patient_id := generate_patient_id();

  -- Get next available contact ID
  v_contact_id := get_next_contact_id();

  -- Get next available patient dependent ID
  v_dependent_id := get_next_patient_dependent_id();

  -- Insert into patient_main table
  INSERT INTO patient_main (patient_no, first_name, middle_name, last_name, date_of_birth,
gender, blood_group, source_payment)
  VALUES (v_patient_id, p_first_name, p_middle_name, p_last_name, p_date_of_birth,
p_gender, p_blood_group, p_source_payment);

  -- Insert into contact_detail table
  INSERT INTO contact_detail (contact_id, telephone, address_line1, address_line2,
FK1_PATIENT_NO )
  VALUES (v_contact_id, p_telephone, p_address_line1, p_address_line2, v_patient_id);

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-- Insert into patient_dependent table
INSERT INTO patient_dependent (patient_dependent_id, first_name, middle_name,
last_name, address_line1, address_line2, AREA_NAME, telephone, FK1_PATIENT_NO )
VALUES (v_dependent_id, p_dependent_first_name, p_dependent_middle_name,
p_dependent_last_name, p_dependent_address_line1, p_dependent_address_line2,
p_dependent_area_name, p_dependent_telephone, v_patient_id);

COMMIT;

DBMS_OUTPUT.PUT_LINE('Patient details inserted successfully.');
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EXCEPTION

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  WHEN OTHERS THEN
    ROLLBACK;
    DBMS_OUTPUT.PUT_LINE('Error occurred while inserting patient details.');
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END insert_patient_details;