# Tables

1. **Hostel Table**
   a. **Hostel_Name (VARCHAR(100), Primary Key)**: Name of the hostel.
   b. **Is_AC (BOOLEAN)**: Indicates if the hostel is air-conditioned.
   c. **Type_of_Room (INT)**: Indicates if rooms are 2-seater, 3-seater, or 4-seater.
   d. **Number of rooms(INT):** Total number of rooms available in the hostel.
2. **Student Table (Supertype)**
   a. **Student_ID (INT, Primary Key)**: Uniquely identifies each student (Roll No.).
   b. **Name (VARCHAR(100))**: Student's full name.
   c. **Age (INT)**: Student's age.
   d. **Program (VARCHAR(100))**: Academic program the student is enrolled in.
   e. **Category(VARCHAR(100)):** DASA, Outside Delhi, Transfer Case, Inside Delhi.
   f. **Distance (INT)**: Distance of the student's home from the institution.
   g. **Room_No (INT)**: Room assigned to the student. (Foreign Key is the composite of Room_No and Hostel_Name referencing the **Room Table**).
   h. **Hostel_Name (VARCHAR(100))**: Specifies which hostel the student is assigned to (Foreign Key referencing the **Hostel Table**).
   i. **Contact_Info (VARCHAR(10)):** Contact details of the student.
3. **Alaknanda_Student Table (Subtype)**
   a. **Student_ID (INT, Primary Key, Foreign Key referencing Student)**: Links to the corresponding student in the **Student Table**.
   b. **Country (VARCHAR(100))**: Specifies the country the student is from.
   c. **Prev_Year_Resident (BOOLEAN)**: Indicates whether the student resided in Alaknanda the previous year.
4. **Kaveri_Student Table (Subtype)**
   a. **Student_ID (INT, Primary Key, Foreign Key referencing Student)**: Links to the corresponding student in the **Student Table**.
   b. **CGPA (DECIMAL(4, 2))**: Student's CGPA.
   c. **Prev_Year_Resident (BOOLEAN)**: Indicates whether the student resided in Kaveri the previous year.
5. **Saraswati_Student Table (Subtype)**
   a. **Student_ID (INT, Primary Key, Foreign Key referencing Student)**: Links to the corresponding student in the **Student Table**.
   b. **Prev_Year_Resident (BOOLEAN)**: Indicates whether the student resided in Saraswati the previous year.
6. **Room Table**
   a. **Room_No (INT)**: Room number.
   b. **Hostel_Name (VARCHAR(100))**: The hostel where the room is located (Primary Key is a composite of Room_No and Hostel_Name).
   c. **Current_Capacity (INT):** Number of students occupying the room.
   d. **Last_Cleaned (DATE)**: The last date the room was cleaned.

e. **Insect_Repellant_Spray (DATE)**: Date of the last insect repellant spray.

7. **Visitor Table**
   a. **Student_ID (INT, Primary Key)**: Refers to the student the visitor is associated with (Foreign Key referencing the **Student Table**).
   b. **Visitor_Name (VARCHAR(100), Primary Key)**: The name of the visitor.
   c. **Relation (VARCHAR(50), Primary Key)**: The relationship of the visitor to the student.
   d. **Visit_Date (DATE)**: The date of the visit. (Primary Key is a composite of Student_ID, Visitor_Name, Vist_Date).

8. **In Table**
   a. **Student_ID (INT)**: Refers to the student (Foreign Key referencing the **Student Table**).
   b. **Date (DATE):** The date the student returns to the hostel. (Primary Key is a composite of Student_ID, Date).
   c. **In_Time (TIMESTAMP, Primary Key)**: Time the student came back.

9. **Out Table**
   a. **Student_ID (INT, Primary Key)**: Refers to the student (Foreign Key referencing the **Student Table**).
   b. **Date (DATE):** The date the student leaves to the hostel. (Primary Key is a composite of Student_ID, Date).
   c. **Out_Time (TIMESTAMP)**: Time the student left.
   d. **Number of nights (INT):** How many nights is student going out for
   e. **Address (VARCHAR(255))**: : Where the student is going.

10. **Staff Table**
    a. **Staff_ID (INT, Primary Key)**: Uniquely identifies each staff member.
    b. **Name (VARCHAR(100))**: Full name of the staff member.
    c. **Contact_Info (VARCHAR(10))**: Contact details of the staff.
    d. **Address (VARCHAR(255))**: Address of the staff.
    e. **Role (VARCHAR(50))**: Role of the skilled staff member.
    f. **Shift_Time (VARCHAR(50))**: Timing of their shift.
    g. **Shift_Days (VARCHAR(50))**: Days of the week they work.
    h. **Salary (DECIMAL(10, 2))**: Monthly salary.
    i. **Hostel_Name(VARCHAR(100)):** Specifies which hostel the staff member works for.

11. **Parent_Guardian Table**
    a. **Student_ID (INT, Foreign Key referencing Student Table)**: Links to the student.
    b. **Guardian_Name (VARCHAR(100))**: Full name of the parent/guardian.
    c. **Relation (VARCHAR(50))**: Relationship to the student (e.g., Parent, Guardian). (Primary Key is a composite of Student_ID, Guardian_Name, Relation).
    d. **Contact_Info (VARCHAR(10))**: Contact details of the parent/guardian.

12. **Complaint Table**
    a. **Complaint_ID (INT, Primary Key):** Unique identifier for each complaint.
    b. **Student_ID (INT, Foreign Key referencing Student Table):** Links to the student who filed the complaint.
    c. **Complaint_Type (VARCHAR(50)):** Type of the complaint(e.g., Plumbing, Electricity, Cleaning, Mess).
    d. **Description (TEXT):** Detailed description of the complaint.

e.  **Status (VARCHAR(20)):** Status of the complaint (eg., Pending, Resolved).
f.  **Date_Filed (DATE):** Date when the complaint was filed.
g.  **Date_Resolved (DATE):** Date when the complaint was resolved.
h.  **Assigned_Staff (INT, Foreign Key referencing Staff):** Links to the staff member assigned to handle the complaint.