

1. Class Staffing Report

UNF

CLASS(centre_id, centre_name, centre_st, centre_town, centre_post, class_numb, class_duration, facility_room_numb, start_date_time, numb_of_sess (staff_id, staff_name, class_leader, first_aid_certified))

1NF

CLASS (centre id, class numb, start date time, centre_name, centre_st, centre_town, centre_post, class_duration, facility_room_numb, numb_of_sess)

CLASS_STAFF(centre id, class numb, start date time, staff id, staff_name, class_leader, first_aid_certified)

Partial Dependencies:

Centre_id → centre_name, centre_st, centre_town, centre_post

Staff_id → staff_name, first_aid_certified

2NF

CLASS(centre id, class numb, start date time, class_duration, facility_room_numb, numb_of_sess)

CENTRE(centre id, centre_name, centre_st, centre_town, centre_post)

CLASS_STAFF(centre id, class numb, start date time, staff id, class_leader)

STAFF(staff id, staff_name, first_aid_certified)

Transitive Dependencies:

None

3NF

CLASS(centre id, class numb, start date time, class_duration, facility_room_numb, numb_of_sess)

CENTRE(centre id, centre_name, centre_st, centre_town, centre_post)

CLASS_STAFF(centre id, class numb, start date time, staff id, class_leader)

STAFF(staff id, staff_name, first_aid_certified)

Full Dependencies:

centre_id, class_numb, start_date_time → class_duration, facility_room_numb, numb_of_sess

centre_id → centre_name, centre_st, centre_town, centre_post

centre_id, class_numb, start_date_time, staff_id → class_leader

staff_id → staff_name, first_aid_certified

2. Class Attendance Report

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CLASS_ATTENDANCE(centre_id, centre_name, class_numb, class_type, class_desc, facility_room_numb, start_date_time, numb_of_sess (member_no, payment_date, sess_date, total_attendance))

1NF

CLASS (centre_id, class_numb, start_date_time, centre_name, class_type, class_desc, facility_room_numb, numb_of_sess)

ATTENDANCE(centre_id, class_numb, start_date_time, member_no, payment_date, sess_date, total_attendance)

Partial dependencies:

centre_id → centre_name

2NF

CLASS(centre_id, class_numb, start_date_time, class_type, class_desc, facility_room_numb, numb_of_sess)

CENTRE(centre_id, centre_name)

ATTENDANCE(centre_id, class_numb, start_date_time, member_no, payment_date, sess_date, total_attendance)

Transitive dependencies:

class_type → class_desc

3NF

CLASS(centre_id, class_numb, start_date_time, class_type, facility_room_numb, numb_of_sess)

CENTRE(centre_id, centre_name)

CLASS_DESC(class_type, class_desc)

ATTENDANCE(centre_id, class numb, start date time, member no, payment_date, sess_date, total_attendance)

Full dependencies:

centre_id, class_numb, start_date_time → class_type, facility_room_numb, numb_of_sess

centre_id → centre_name

class_type → class_desc

centre_id, class_numb, start_date_time, member_no → payment_date, sess_date, total_attendance

Consolidation

1. CLASS(centre_id, class numb, start date time, class_duration, facility_room_numb, numb_of_sess)
2. CENTRE(centre_id, centre_name, centre_st, centre_town, centre_post)
3. CLASS_STAFF(centre_id, class numb, start date time, staff_id, class_leader)
4. STAFF(staff_id, staff_name, first_aid_certified)
5. CLASS(centre_id, class numb, start date time, class_type, facility_room_numb, numb_of_sess)
6. CENTRE(centre_id, centre_name)
7. CLASS_DESC(class_type, class_desc)
8. ATTENDANCE(centre_id, class numb, start date time, member no, payment_date, sess_date, total_attendance)

1&5: CLASS(centre_id, class numb, start date time, class_type, class_duration, facility_room_numb, numb_of_sess)

2&6: CENTRE(centre_id, centre_name, centre_st, centre_town, centre_post)

3: CLASS_STAFF(centre_id, class numb, start date time, staff_id, class_leader)

4: STAFF(staff_id, staff_name, first_aid_certified)

7: CLASS_DESC(class_type, class_desc)

8: ATTENDANCE(centre_id, class numb, start date time, member no, payment_date, sess_date, total_attendance)

Final 3NF

CLASS(centre_id, class_numb, start_date_time, class_type, class_duration,
facility_room_numb, numb_of_sess)

CENTRE(centre_id, centre_name, centre_st, centre_town, centre_post)

CLASS_STAFF(centre_id, class_numb, start_date_time, staff_id, class_leader)

STAFF(staff_id, staff_name, first_aid_certified)

CLASS_DESC(class_type, class_desc)

ATTENDANCE(centre_id, class_numb, start_date_time, member_no, payment_date,
sess_date, total_attendance)