

SELECT "Hello World!"

sql_select("Hello World!")

sql_query() |> sql_select("Hello World!")



SELECT p.mrn FROM patient p

p = sql_alias("patient")

sql_join(p) |> sql_select(p.mrn)

p = sql_alias("patient")

p |> sql_select(p.mrn)

(p = sql_from("patient")) |> sql_select(p.mrn)



SELECT p.mrn, e.date

FROM patient p

JOIN encounter e ON (p.id = e.patient_id)

p = sql_alias("patient")

e = sql_alias("encounter")

sql_from(p) |> sql_join(e, p.id, == e.patient_id) |> sql_select(p.mrn, e.date)

p = sql_alias(catalog["public"]["patient"])

e = sql_alias(catalog["public"]["encounter"])

sql_from(p) |> sql_join(e, autojoin=p) |> sql_select(p.mrn, e.date)

p = sql_alias("patient")

e = sql_alias("encounter")

p |> sql_join(e, p.id, == e.patient_id) |> sql_select(p.mrn, e.date)

p = sql_alias("patient")

e = sql_alias("encounter")

sql_from(p) |> sql_join(e, p.id, == e.patient_id) |> sql_select(p.mrn) |> sql_select(e.date)



SELECT p.mrn, e.date

FROM patient p

JOIN encounter e ON (p.id = e.patient_id)

p = From("patient")

e = From("encounter")

j = Join(p, e, p.id, == e.patient_id)

Select(j, p.mrn, e.date)

sql_from((p = sql_alias("patient")) |> sql_join((e = sql_alias("encounter")), p.id, == e.patient_id) |> sql_select(p.mrn, e.date))



SELECT p.sex, COUNT(p)

FROM patient p

GROUP BY p.sex

p = sql_alias("patient")

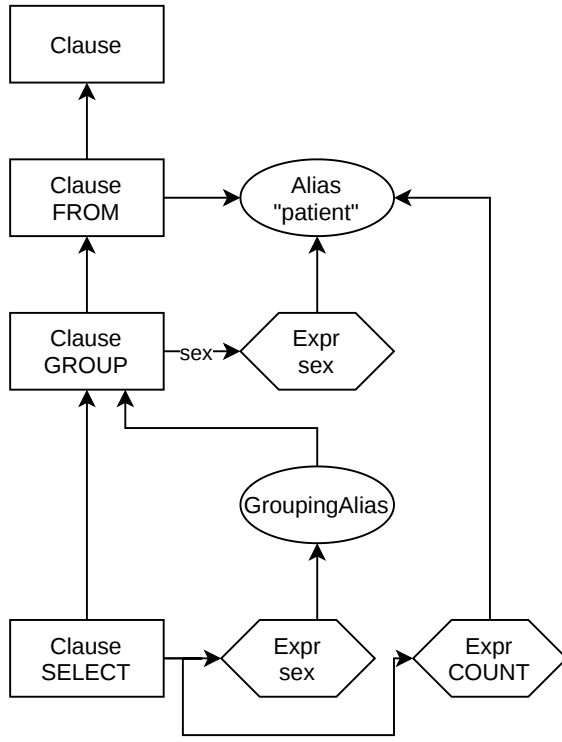
g = sql_from(p) |> sql_group(sex = p.sex)

g |> sql_select(g.sex, sql_count(p))

p = From("patient")

g = Group(p, sex = p.sex)

Select(g, g.sex, Count(p))



SELECT p.mrn, COALESCE(g.n_e, 0)

FROM patient p

LEFT JOIN (

SELECT e.patient_id, COUNT(e) AS n_e

FROM encounter e

GROUP BY e.patient_id) g ON (p.id = g.patient_id)

p = From("patient")

e = From("encounter")

g = Group(e, patient_id = e.patient_id)

j = LeftJoin(p, g, p.id, == g.patient_id, omit_if_unused=true)

Select(j, p.mrn, Coalesce(Count(e), 0))

p = From("patient")

e = From("encounter")

g = Group(e, patient_id = e.patient_id)

gs = Select(g, patient_id = g.patient_id, n = Count(e))

j = LeftJoin(p, gs, p.id, == gs.patient_id)

Select(j, p.mrn, Coalesce(gs.n, 0))

p = From("patient")

e = From("encounter")

g = Group(e, patient_id = e.patient_id, summarize=(; n = Count(e)))

j = LeftJoin(p, g, p.id, == g.patient_id)

Select(j, p.mrn, Coalesce(g.n, 0))

SELECT p.mrn

FROM patient p

WHERE p.sex = 'male'

p = From("patient")

w = Where(p, p.sex, == "male")

Select(w, p.mrn)

p = From("patient", columns=["mrn", "sex"])

w = Where(p, Ref(1, 2), == "male", select=[Ref(1,1)])

Select(w, select=[Ref(1,1)])

patient_tbl = Table("patient", [{"id", Int}, {"sex", String}, {"mrn", String}])

encounter_tbl = Table("encounter", [{"id", Int}, {"patient_id", Int}, {"date", Date}])

auto_connect(patient_tbl, encounter_tbl, [{"id", "patient_id"}])

p = From(patient_tbl)

e = From(encounter_tbl)

j = LeftJoin(p, e)

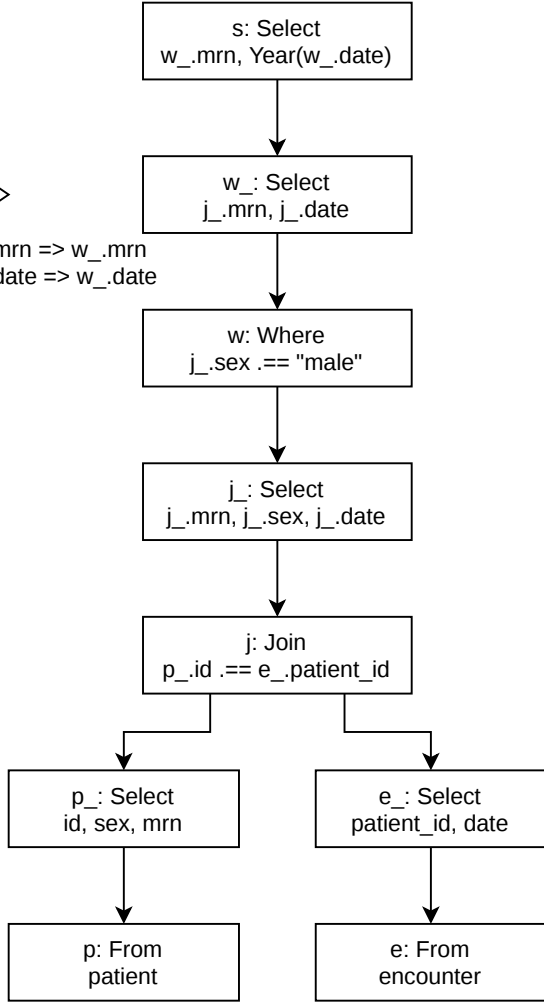
Select(j, p.mrn, e.date)



SELECT p.mrn, EXTRACT(YEAR FROM e.date)
FROM patient p
JOIN encounter e
ON (p.id = e.patient_id)
WHERE p.sex = 'male'



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p = From(patient)
p_ = Select(p_id = Const(:id), _sex = Const(:sex), _mrn = Const(:mrn))
e = From(encounter)
e_ = Select(e_ patient_id = Const(:patient_id), _date = Const(:date))
j = Join(p_, e_, p_.id := e_.patient_id)
l_ = Select(j_ mrn = p_.mrn, sex = p_.sex, _date = e_.date)
w = Where(l_, l_.sex := "male")
w_ = Select(w.mrn = l_.mrn, _date = l_.date)
s = Select(w_._mrn = w_.mrn, year = Year(w_.date))
```



SELECT c.person_id, c.peer_id, c.timestamp, c.distance
FROM contact c

For each pair of persons, find the contact interval when there were detected at least once in a minute in a distance of less than 5 meters.

