**Retrieve the bookings between particular date of “xyz” user.**

Relational Algebra:

**r1** -> ρ(b, booking) LEFT ⋈<b.bid = bfc.bid> ρ(bfc, bid ℱCOUNT(CoPassID) -> no\_of\_co\_passengers (booking\_copassenger)) FULL OUTER ⋈<b.bid = bfp.bid> ρ(bfp, booking\_for\_package) FULL OUTER ⋈<bfp.packageid = p.packageid> ρ(p, package) FULL OUTER ⋈<b.bid = bfh.bid> ρ(bfh, booking\_for\_hotel) FULL OUTER ⋈<bfh.hotelid = h.hotelid> ρ(h, hotel) FULL OUTER ⋈<h.hotelid = pih.hotelid>  ρ(pih, package\_includes\_hotels) FULL OUTER ⋈<pih.hotelid = hp.hotelid> ρ(hp, hotel) ⋈<b.UserAadharNo = u.UserAadharNo> ρ(u,”User”)

**result** -> Π(b.booking\_date, bfc.no\_of\_co\_passengers, b.tripstart\_date, b.tripend\_date, b.amount, p.title -> package\_name, hp.”Name” -> package\_hotel, pih.RoomNo -> package\_roomno, h.”Name” -> hotel\_name, bfh.roomno) (σ CONCAT (u.fname,’ ‘,u.lname) = ‘Viral Gandhi’ and b.booking\_date < '2020-11-30' AND b.booking\_date >= '2020-11-20' (r1))

SQL Query & Output:

