Student ID: 33520054

UNF
CRUISE(cruise_id, cruise_name, cruise_cost, (port_code, port_name, port_latitude, port_longtitude, country_code, country_name, iti_depart_type, iti_depart_datetime))

1NF
CRUISE(cruise_id, cruise_name, cruise_cost)
CKs:
cruise_id

ITINERARY(cruise_id, port_code, port_name, port_latitude, port_longtitude, country_code, country_name, iti_depart_type, iti_depart_datetime)
CKs:
cruise_id, iti_depart_datetime

Partial dependency:
No partial dependencies present

2NF
CRUISE(cruise_id, cruise_name, cruise_cost)
ITINERARY(cruise_id, port_code, port_name, port_latitude, port_longtitude, country_code, country_name, iti_depart_type, iti_depart_datetime)

Transitive dependency:
port_code → port_name, port_latitude, port_longtitude, country_code
country_code → country_name

3NF
CRUISE(cruise_id, cruise_name, cruise_cost)
ITINERARY(cruise_id, iti_depart_datetime, port_code, iti_depart_type)
PORT(port_code , port_name, port_latitude, port_longtitude, country_code)
COUNTRY(country_code country_name)

Full Dependencies:
cruise_id→cruise_name, cruise_cost
cruise_id, iti_depart_datetime → port_code, iti_depart_type
port_code → port_name, port_latitude, port_longtitude, country_code
country_code → country_name