private static void queryEight(){

try {

String sql = "SELECT \* from agencies WHERE evActivity = 1 OR spaceRD = 1 OR spaceStation = 1 OR humanFlight = 1 OR multipleSAt = 1 OR extraProbe = 1 ";

PreparedStatement statement = connection.prepareStatement(sql);

ResultSet resultSet = statement.executeQuery();

System.out.println("List of agencies that have fulfilled at least one activity");

if (!resultSet.next()) {

System.out.println("No data found with given query");

} else{

System.out.println("agencyName | agencyAcr | countryName | altName | yearFound | evActivity | spaceRD | spaceStation | humanFlight | multipleSat | extraProbe");

do{

System.out.println(

resultSet.getString("agencyName") + " | "

+ resultSet.getString("agencyAcr"))+ " | "

+resultSet.getString("countryName")+" | "

+resultSet.getString("altName")+" | "

+resultSet.getInt("yearFound")+" | "

+resultSet.getBit("evActivity")+" | "

+resultSet.getBit("spaceRD")+" | "

+resultSet.getBit("spaceStation")+" | "

+resultSet.getBit("humanFlight")+" | "

+resultSet.getBit("multipleSat")+" | "

+resultSet.getBit("extraProbe") ;

}while (resultSet.next());

}

resultSet.close();

statement.close();

} catch (SQLException e) {

e.printStackTrace(System.out);

}

}

–query 9

private static void queryNine(){

try {

String sql = "with mostFlyTime as( select nationality.countryName, astronaut.firstname, astronaut.lastname, rank() over (partition by nationality.countryName order by totalFlightTime desc) as Rank from astronaut join nationality on astronaut.personID = nationality.personID ) select \* from mostFlyTime as x where x.Rank < 4 ";

PreparedStatement statement = connection.prepareStatement(sql);

ResultSet resultSet = statement.executeQuery();

System.out.println("Top 3 astronauts in each country having the most fly time");

if (!resultSet.next()) {

System.out.println("No data found with given query");

} else{

System.out.println("countryName | firstname | lastname | Rank ");

do{

System.out.println(

resultSet.getString("countryName") + " | "

+ resultSet.getString("firstname")+ " | "

+resultSet.getString("lastname")+" | "

+resultSet.getInt("Rank"));

}while (resultSet.next());

}

resultSet.close();

statement.close();

} catch (SQLException e) {

e.printStackTrace(System.out);

}

}