Laboratory work #1

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Submission format: word or pdf document containing screenshots of your tasks with answers that covers full-page (Alt+PrtSc).

1. Create following tables with corresponding attributes (30 %):

* Airline\_info: airline\_id (int), airline\_code (varchar (30)),airline\_name (varchar(50)),airline\_country(varchar(50)), created\_at(timestamp), updated\_at(timestamp), info(varchar(50)) ;
* Airport: airport\_id(int), airport\_name (varchar(50)),country (varchar(50)), state (varchar(50)), city(varchar(50)), created\_at(timestamp), updated\_at(timestamp) ;
* Baggage\_check: baggage\_check\_id(int), check\_result (varchar(50)), created\_at(timestamp), updated\_at(timestamp), booking\_id(int), passenger\_id(int);
* Baggage: baggage\_id(int), weight\_in\_kg (decimal(4,2)), created\_at(timestamp, updated\_at(timestamp) , booking\_id(int);
* Boarding\_pass: boarding\_pass\_id(int), booking\_id(int), seat (varchar(50)), boarding\_time(timestamp), created\_at(timestamp), updated\_at(timestamp);
* Booking\_flight: booking\_flight\_id(int), booking\_id(int), flight\_id(int), created\_at(timestamp), updated\_at(timestamp);
* Booking: booking\_id(int), flight\_id(int), passenger\_id(int), booking\_platform(varchar(50)), created\_at(timestamp), updated\_at(timestamp), status(varchar(50)), price(decimal(7,2));
* Flights: flight\_id(int), sch\_departure\_time(timestamp), sch\_arrival\_time(timestamp), departing\_airport\_id(int), arriving\_airport\_id(int), departing\_gate(varchar(50)), arriving\_gate(varchar(50)), airline\_id(int), act\_departure\_time(timestamp), act\_arrival\_time(timestamp), created\_at(timestamp), updated\_at(timestamp) ;
* Passengers: passenger\_id(int), first\_name(varchar(50)), last\_name(varchar(50)), date\_of\_birth(date), gender(varchar(50)), country\_of\_citizenship(varchar(50)), country\_of\_residence(varchar(50)), passport\_number(varchar(20)), created\_at(timestamp), updated\_at(timestamp) ;
* Security\_check: security\_check\_id(int), check\_result(varchar(20)), created\_at(timestamp), updated\_at(timestamp), passenger\_id(int);

1. Define Primary Keys for each tables (15%);
2. Define for all attributes null, not null constraint(15%);
3. Rename airline\_info table to airline (10%).
4. Rename column price to ticket\_price (10%)
5. Change data type of departing\_gate(varchar(50)) from varchar(50) to text (10%);
6. Drop the column info(varchar(50)) from the airline table (10%).





