Laboratory work #5

Please write SQL queries for following tasks and save as .sql file.

1. Create database called «lab5»
2. Create following table «customers»:

```
customer_id   cust_name       city        grade       salesman_id
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3002          Nick Rimando    New York    100         5001
3005          Graham Zusi     California  200         5002
3001          Brad Guzan      London                  5005
3004          Fabian Johns    Paris       300         5006
3007          Brad Davis      New York    200         5001
3009          Geoff Camero    Berlin      100         5003
3008          Julian Green    London      300         5002
```

3. Select all customers with a grade above 100.
4. Select all customers in New York who have a grade value above 100.
5. Select all customers, who are either belongs to the city New York or had a grade above 100.
6. Select customers with all information who come from the city either Paris or Rome.
7. Select customer with all information whose name begin with the letter 'B'.
8. Create table «orders» with columns order_id (serial, primary key), customer_id (integer), description (text), purch_amt (integer).
9. Select orders which made by customers from 'New York'.

10. Select customers with all information who has order with quantity more than 10.
11. Select total purchase amount of all orders.
12. Select the average purchase amount of all orders.
13. Select all customers who have listed their names.
14. Select the maximum purchase amount of all the orders.