Scrivere le istruzioni SQL per estrarre le seguenti informazioni:

1. il numero di prodotti per ogni brand

**select brand\_name, count(\*) as totale\_prodotti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**group by brand\_name**

2. i brand che hanno più di 10 prodotti

**select brand\_name, count(\*) as totaleprodotti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**group by brand\_name**

**having count(\*) > 10**

3. il prezzo massimo dei prodotti di ogni brand

**select brand\_name, max(list\_price) as totaleclienti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**group by brand\_name**

4. il prezzo medio dei prodotti di ogni brand

**select brand\_name, avg(list\_price) as totaleclienti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**group by brand\_name**

5. il brand del prodotto che costa di più

**select brand\_name as totaleclienti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**where list\_price=**

**(select max(list\_price) as prezzomax from production.products)**

6. la categoria del prodotto che costa di meno

**select category\_name from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**inner join production.categories**

**on production.products.category\_id=production.categories.category\_id**

**where list\_price=**

**(select min(list\_price) as prezzomax from production.products)**

7. il nome, il brand e la categoria dei prodotti che costano più della media

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**inner join production.categories**

**on production.products.category\_id=production.categories.category\_id**

**where list\_price >**

**(select avg(list\_price) from production.products )**

8. i clienti di cui non si conosce il numero di telefono

**select first\_name, last\_name from sales.customers**

**where phone is null**

9. il brand con più prodotti

**select brand\_name, count(\*) as totaleclienti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**group by brand\_name**

**having count(\*)=(**

**select max(totaleclienti) from**

**(select brand\_name, count(\*) as totaleclienti from production.products**

**inner join production.brands**

**on production.products.brand\_id=production.brands.brand\_id**

**group by brand\_name) as t)**