Domanda 1:

Query:

Risposta:

```
{
    number_of_stations: 61
}
```

Domanda 2:

Query:

Risposta:

```
{
  number_of_stations: 4
}
```

Domanda 3:

Query:

Risposta:

```
[
    { extra: { status: 'maintenance' } },
    { extra: { status: 'maintenance' } },
    { extra: { status: 'maintenance' } },
    { extra: { status: 'maintenance' } }
]
```

Domanda 4:

```
{ name: '02. Pettiti' },
{ name: '04. Reggia' },
{ name: '06. Municipio' },
{ name: '08. San Marchese' },
{ name: '10. Gallo Praile' },
{ name: 'Belfiore' },
{ name: 'Borromini' },
{ name: 'Castello 1' },
{ name: 'Corte d`Appello' },
{ name: 'Giolitti 1' },
{ name: 'Politecnico 1' },
{ name: 'Politecnico 3' },
{ name: 'Porta Palatina' },
{ name: 'Principi d`Acaja 1' },
{ name: 'Principi d`Acaja 2' },
{ name: 'San Francesco da Paola' },
{ name: 'Sant'Anselmo' },
```

Domanda 5:

```
empty_slots: 1,
    _id: 0
}
}
```

```
[
    { empty_slots: 1, free_bikes: 0, name: '06. Le Serre' },
    { empty_slots: 0, free_bikes: 5, name: '05. Corso Garibaldi' }
]
```

Domanda 6:

Query:

Risposta:

```
[ { totalReviews: 15311 } ]
```

Domanda 7:

```
},
{ $sort: { score: -1 } }
);
```

```
{ numberOfStations: 1, score: 4.7 },
{ numberOfStations: 2, score: 4.5 },
{ numberOfStations: 2, score: 4.4 },
{ numberOfStations: 2, score: 4.3 },
{ numberOfStations: 7, score: 4.2 },
{ numberOfStations: 5, score: 4.1 },
{ numberOfStations: 9, score: 4 },
{ numberOfStations: 9, score: 3.9 },
{ numberOfStations: 1, score: 3.8 },
{ numberOfStations: 2, score: 3.7 },
{ numberOfStations: 1, score: 3.6 },
{ numberOfStations: 4, score: 3.5 },
{ numberOfStations: 3, score: 3.4 },
{ numberOfStations: 1, score: 3.2 },
{ numberOfStations: 4, score: 3 },
{ numberOfStations: 2, score: 2.8 },
{ numberOfStations: 1, score: 2.7 },
{ numberOfStations: 1, score: 2.5 },
{ numberOfStations: 1, score: 2.4 },
{ numberOfStations: 1, score: 2.1 }
{ numberOfStations: 1, score: 1.5 },
{ numberOfStations: 1, score: 1.4 },
{ numberOfStations: 1, score: 1.2 },
{ numberOfStations: 3, score: 1 }
```

Domanda 8:

```
$group: {
    _id: '$extra.status',
    avgScore: { $avg: '$extra.score' }
    }
},
{
    $project: {
        type: '$_id',
        avgScore: 1,
        _id: 0
    }
}
```

Domanda 9:

Query:

Risposta:

```
{ avg_score: 3.8758620689655174, category: 'con_bici' }
]
```

Domanda 10:

Query:

Risposta:

Domanda 11:

```
}
},
{
    $project: {
        name: 1,
            free_bikes: 1,
            _id: 0
    }
},
{
    $limit: 3
}
]);
```

```
[
    { free_bikes: 5, name: 'Palermo 2' },
    { free_bikes: 5, name: 'Castello 1' },
    { free_bikes: 4, name: 'San Francesco da Paola' }
]
```

Domanda 12:

```
[
    { free_bikes: 9, name: 'Politecnico 1' },
    { free_bikes: 5, name: 'Politecnico 3' },
    { free_bikes: 3, name: 'Tribunale' }
]
```