

0.5 Exercises

1. Optimize the following document design:

```
{ "_id": 123,  
  "name": "Alberto"  
  "address": {  
    "street": "Jordi Girona",  
    "city": "Barcelona",  
    "zip_code": "08034"},  
  "telephone1": "93 4137889",  
  "telephone2": "93 4137840",  
  "telephone3": "123456789"  
}
```

2. Optimize the following pipe:

```
db.partsupp.aggregate([  
  {"$sort": {"n_name": 1, "s_name": 1, "p_partkey": 1}},  
  {"$match": {"part.p_size": 5}},  
  {"$project": {  
    "supplier.s_name": 1,  
    "supplier.s_phone": 1,  
    "supplier.s_comment": 1,  
    "_id": 0  
  }}  
])
```