

1, Test\_get\_resource()

```
template is: {'nameLast': 'Williams', 'nameFirst': 'Ted'}  
fields is: ['playerID', 'nameFirst', 'bats', 'birthCity']  
Run retrieve_by_template 3 times:
```

```
*****Miss*****
```

```
Result = [  
  {  
    "playerID": "willite01",  
    "nameFirst": "Ted",  
    "bats": "L",  
    "birthCity": "San Diego"  
  }  
]
```

```
*****Hit*****
```

```
Result = [  
  {  
    "playerID": "willite01",  
    "nameFirst": "Ted",  
    "bats": "L",  
    "birthCity": "San Diego"  
  }  
]
```

```
*****Hit*****
```

```
Result = [  
  {  
    "playerID": "willite01",  
    "nameFirst": "Ted",  
    "bats": "L",  
    "birthCity": "San Diego"  
  }  
]
```

2, test\_get\_resource\_different\_fields()

```
template is the same: {'nameLast': 'Williams', 'nameFirst': 'Ted'}  
different fields: ['playerID', 'nameFirst', 'birthCity']  
it should cause MISS!
```

```
*****Miss*****
```

```
Result = [  
  {  
    "playerID": "willite01",  
    "nameFirst": "Ted",  
    "birthCity": "San Diego"  
  }  
]
```

3, test\_get\_resource\_multiple\_result()

```
Instead of just one query result, now it will return multiple, limit = 5
template is: {'nameLast': 'Williams'}
fields is: ['playerID', 'nameFirst', 'bats', 'birthCity']
Run retrieve_by_template 3 times:
```

```
*****MISS*****
```

```
Result = [
  {
    "playerID": "williac01",
    "nameFirst": "Ace",
    "bats": "R",
    "birthCity": "Montclair"
  },
  {
    "playerID": "willial02",
    "nameFirst": "Al",
    "bats": "R",
    "birthCity": "Valhermosa Springs"
  },
  {
    "playerID": "willial03",
    "nameFirst": "Albert",
    "bats": "R",
    "birthCity": "Pearl Lagoon"
  },
]
```

```
{
  "playerID": "williar01",
  "nameFirst": "Art",
  "bats": "L",
  "birthCity": "Somerville"
},
{
  "playerID": "willibe01",
  "nameFirst": "Bernie",
  "bats": "R",
  "birthCity": "Alameda"
}
]
*****Hit*****
Result = [
  {
    "playerID": "williac01",
    "nameFirst": "Ace",
    "bats": "R",
    "birthCity": "Montclair"
  },
  {
    "playerID": "willial02",
    "nameFirst": "Al",
    "bats": "R",
    "birthCity": "Valhermosa Springs"
  },
]
```

```
{
  "playerID": "willial03",
  "nameFirst": "Albert",
  "bats": "R",
  "birthCity": "Pearl Lagoon"
},
{
  "playerID": "williar01",
  "nameFirst": "Art",
  "bats": "L",
  "birthCity": "Somerville"
},
{
  "playerID": "willibe01",
  "nameFirst": "Bernie",
  "bats": "R",
  "birthCity": "Alameda"
}
]
*****Hit*****
Result = [
  {
    "playerID": "williac01",
    "nameFirst": "Ace",
    "bats": "R",
    "birthCity": "Montclair"
  },
  {
    "playerID": "willial02",
    "nameFirst": "Al",
    "bats": "R",
    "birthCity": "Valhermosa Springs"
```

```
{
  "playerID": "willial02",
  "nameFirst": "Al",
  "bats": "R",
  "birthCity": "Valhermosa Springs"
},
{
  "playerID": "willial03",
  "nameFirst": "Albert",
  "bats": "R",
  "birthCity": "Pearl Lagoon"
},
{
  "playerID": "williar01",
  "nameFirst": "Art",
  "bats": "L",
  "birthCity": "Somerville"
},
{
  "playerID": "willibe01",
  "nameFirst": "Bernie",
  "bats": "R",
  "birthCity": "Alameda"
}
]
```