CLASSNOTES: Api day 3

04/21/2018  
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API DAY 3  
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PASSING PARAMETERS  
HEADERS  
JSONPATH AND JSON MANIPULATION

POST METHODS  
GSON  
=============================

HOW TO CONVERT JSON TO JAVA OBJECT?

<dependency>  
<groupId>com.google.code.gson</groupId>  
<artifactId>gson</artifactId>  
<version>2.8.2</version>  
</dependency>

{  
"items": [  
{  
"region\_id": 1,  
"region\_name": "Europe",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/1"  
}  
]  
},  
{  
"region\_id": 2,  
"region\_name": "Americas",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/2"  
}  
]  
},  
{  
"region\_id": 3,  
"region\_name": "Asia",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/3"  
}  
]  
},  
{  
"region\_id": 4,  
"region\_name": "Middle East and Africa",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/4"  
}  
]  
}  
],  
"hasMore": false,  
"limit": 25,  
"offset": 0,  
"count": 4,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/"  
},  
{  
"rel": "edit",  
"href": "http://34.223.219.142:1212/ords/hr/regions/"  
},  
{  
"rel": "describedby",  
"href": "http://34.223.219.142:1212/ords/hr/metadata-catalog/regions/"  
},  
{  
"rel": "first",  
"href": "http://34.223.219.142:1212/ords/hr/regions/"  
}  
]  
}

https://www.google.com/search?q=cucumber&param=value&param=value

Full url:https://www.google.com/search  
? is used to say that this is the end of url  
anything after that is nothing but key+value request parameters

https://www.amazon.com/s/ref=nb\_sb\_ss\_c\_1\_7?field-keywords=wooden+hangers

2 TYPES OF PARAMETERS IN REST SERVICES:  
1) QUERY/REQUEST PARAMETERS:  
-> is not part of url and passed in key+value format  
those parameters must be defined by API developer  
http://34.223.219.142:1212/ords/hr/employees?limit=100

2) PATH PARAMETERS  
-> is a part of URL and followed by the end of full resource url  
http://34.223.219.142:1212/ords/hr/employees/100

http://34.223.219.142:1212/ords/hr/employees/:id

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JSONPATH -> JSON PATH is used to easily navigate and manipulate json data.

JsonPath is already included into io.restassured dependency.

json.getList("items.findAll{it.employee\_id > 150}.employee\_id")  
select employee\_id from employees  
where employee\_id

XMLPATH <-> JSONPATH

JSON FILE -> NEED TO MODIFY DEPARTMENT ID

JSON FILE -> DATA STRUCTURE  
-> POJO  
->CHANGE VALUES  
-> SERIALIZE IT TO JSON  
-> OUTPUTSTEAM TO FILE

]  
},  
{  
"employee\_id": 124,  
"first\_name": "Kevin",  
"last\_name": "Mourgos",  
"email": "KMOURGOS",  
"phone\_number": "650.123.5234",  
"hire\_date": "2007-11-16T05:00:00Z",  
"job\_id": "ST\_MAN",  
"salary": 5800,  
"commission\_pct": null,  
"manager\_id": 100,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/124"  
}  
]  
},  
{  
"employee\_id": 125,  
"first\_name": "Julia",  
"last\_name": "Nayer",  
"email": "JNAYER",  
"phone\_number": "650.124.1214",  
"hire\_date": "2005-07-16T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3200,  
"commission\_pct": null,  
"manager\_id": 120,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/125"  
}  
]  
},  
{  
"employee\_id": 126,  
"first\_name": "Irene",  
"last\_name": "Mikkilineni",  
"email": "IMIKKILI",  
"phone\_number": "650.124.1224",  
"hire\_date": "2006-09-28T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2700,  
"commission\_pct": null,  
"manager\_id": 120,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/126"  
}  
]  
},  
{  
"employee\_id": 127,  
"first\_name": "James",  
"last\_name": "Landry",  
"email": "JLANDRY",  
"phone\_number": "650.124.1334",  
"hire\_date": "2007-01-14T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2400,  
"commission\_pct": null,  
"manager\_id": 120,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/127"  
}  
]  
},  
{  
"employee\_id": 128,  
"first\_name": "Steven",  
"last\_name": "Markle",  
"email": "SMARKLE",  
"phone\_number": "650.124.1434",  
"hire\_date": "2008-03-08T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2200,  
"commission\_pct": null,  
"manager\_id": 120,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/128"  
}  
]  
},  
{  
"employee\_id": 129,  
"first\_name": "Laura",  
"last\_name": "Bissot",  
"email": "LBISSOT",  
"phone\_number": "650.124.5234",  
"hire\_date": "2005-08-20T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3300,  
"commission\_pct": null,  
"manager\_id": 121,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/129"  
}  
]  
},  
{  
"employee\_id": 130,  
"first\_name": "Mozhe",  
"last\_name": "Atkinson",  
"email": "MATKINSO",  
"phone\_number": "650.124.6234",  
"hire\_date": "2005-10-30T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2800,  
"commission\_pct": null,  
"manager\_id": 121,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/130"  
}  
]  
},  
{  
"employee\_id": 131,  
"first\_name": "James",  
"last\_name": "Marlow",  
"email": "JAMRLOW",  
"phone\_number": "650.124.7234",  
"hire\_date": "2005-02-16T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2500,  
"commission\_pct": null,  
"manager\_id": 121,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/131"  
}  
]  
},  
{  
"employee\_id": 132,  
"first\_name": "TJ",  
"last\_name": "Olson",  
"email": "TJOLSON",  
"phone\_number": "650.124.8234",  
"hire\_date": "2007-04-10T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2100,  
"commission\_pct": null,  
"manager\_id": 121,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/132"  
}  
]  
},  
{  
"employee\_id": 133,  
"first\_name": "Jason",  
"last\_name": "Mallin",  
"email": "JMALLIN",  
"phone\_number": "650.127.1934",  
"hire\_date": "2004-06-14T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3300,  
"commission\_pct": null,  
"manager\_id": 122,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/133"  
}  
]  
},  
{  
"employee\_id": 134,  
"first\_name": "Michael",  
"last\_name": "Rogers",  
"email": "MROGERS",  
"phone\_number": "650.127.1834",  
"hire\_date": "2006-08-26T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2900,  
"commission\_pct": null,  
"manager\_id": 122,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/134"  
}  
]  
},  
{  
"employee\_id": 135,  
"first\_name": "Ki",  
"last\_name": "Gee",  
"email": "KGEE",  
"phone\_number": "650.127.1734",  
"hire\_date": "2007-12-12T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2400,  
"commission\_pct": null,  
"manager\_id": 122,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/135"  
}  
]  
},  
{  
"employee\_id": 136,  
"first\_name": "Hazel",  
"last\_name": "Philtanker",  
"email": "HPHILTAN",  
"phone\_number": "650.127.1634",  
"hire\_date": "2008-02-06T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2200,  
"commission\_pct": null,  
"manager\_id": 122,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/136"  
}  
]  
},  
{  
"employee\_id": 137,  
"first\_name": "Renske",  
"last\_name": "Ladwig",  
"email": "RLADWIG",  
"phone\_number": "650.121.1234",  
"hire\_date": "2003-07-14T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3600,  
"commission\_pct": null,  
"manager\_id": 123,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/137"  
}  
]  
},  
{  
"employee\_id": 138,  
"first\_name": "Stephen",  
"last\_name": "Stiles",  
"email": "SSTILES",  
"phone\_number": "650.121.2034",  
"hire\_date": "2005-10-26T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3200,  
"commission\_pct": null,  
"manager\_id": 123,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/138"  
}  
]  
},  
{  
"employee\_id": 139,  
"first\_name": "John",  
"last\_name": "Seo",  
"email": "JSEO",  
"phone\_number": "650.121.2019",  
"hire\_date": "2006-02-12T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2700,  
"commission\_pct": null,  
"manager\_id": 123,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/139"  
}  
]  
},  
{  
"employee\_id": 140,  
"first\_name": "Joshua",  
"last\_name": "Patel",  
"email": "JPATEL",  
"phone\_number": "650.121.1834",  
"hire\_date": "2006-04-06T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2500,  
"commission\_pct": null,  
"manager\_id": 123,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/140"  
}  
]  
},  
{  
"employee\_id": 141,  
"first\_name": "Trenna",  
"last\_name": "Rajs",  
"email": "TRAJS",  
"phone\_number": "650.121.8009",  
"hire\_date": "2003-10-17T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3500,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/141"  
}  
]  
},  
{  
"employee\_id": 142,  
"first\_name": "Curtis",  
"last\_name": "Davies",  
"email": "CDAVIES",  
"phone\_number": "650.121.2994",  
"hire\_date": "2005-01-29T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 3100,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/142"  
}  
]  
},  
{  
"employee\_id": 143,  
"first\_name": "Randall",  
"last\_name": "Matos",  
"email": "RMATOS",  
"phone\_number": "650.121.2874",  
"hire\_date": "2006-03-15T05:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2600,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/143"  
}  
]  
},  
{  
"employee\_id": 144,  
"first\_name": "Peter",  
"last\_name": "Vargas",  
"email": "PVARGAS",  
"phone\_number": "650.121.2004",  
"hire\_date": "2006-07-09T04:00:00Z",  
"job\_id": "ST\_CLERK",  
"salary": 2500,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/144"  
}  
]  
},  
{  
"employee\_id": 145,  
"first\_name": "John",  
"last\_name": "Russell",  
"email": "JRUSSEL",  
"phone\_number": "011.44.1344.429268",  
"hire\_date": "2004-10-01T04:00:00Z",  
"job\_id": "SA\_MAN",  
"salary": 14000,  
"commission\_pct": 0.4,  
"manager\_id": 100,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/145"  
}  
]  
},  
{  
"employee\_id": 146,  
"first\_name": "Karen",  
"last\_name": "Partners",  
"email": "KPARTNER",  
"phone\_number": "011.44.1344.467268",  
"hire\_date": "2005-01-05T05:00:00Z",  
"job\_id": "SA\_MAN",  
"salary": 13500,  
"commission\_pct": 0.3,  
"manager\_id": 100,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/146"  
}  
]  
},  
{  
"employee\_id": 147,  
"first\_name": "Alberto",  
"last\_name": "Errazuriz",  
"email": "AERRAZUR",  
"phone\_number": "011.44.1344.429278",  
"hire\_date": "2005-03-10T05:00:00Z",  
"job\_id": "SA\_MAN",  
"salary": 12000,  
"commission\_pct": 0.3,  
"manager\_id": 100,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/147"  
}  
]  
},  
{  
"employee\_id": 148,  
"first\_name": "Gerald",  
"last\_name": "Cambrault",  
"email": "GCAMBRAU",  
"phone\_number": "011.44.1344.619268",  
"hire\_date": "2007-10-15T04:00:00Z",  
"job\_id": "SA\_MAN",  
"salary": 11000,  
"commission\_pct": 0.3,  
"manager\_id": 100,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/148"  
}  
]  
},  
{  
"employee\_id": 149,  
"first\_name": "Eleni",  
"last\_name": "Zlotkey",  
"email": "EZLOTKEY",  
"phone\_number": "011.44.1344.429018",  
"hire\_date": "2008-01-29T05:00:00Z",  
"job\_id": "SA\_MAN",  
"salary": 10500,  
"commission\_pct": 0.2,  
"manager\_id": 100,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/149"  
}  
]  
},  
{  
"employee\_id": 150,  
"first\_name": "Peter",  
"last\_name": "Tucker",  
"email": "PTUCKER",  
"phone\_number": "011.44.1344.129268",  
"hire\_date": "2005-01-30T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 10000,  
"commission\_pct": 0.3,  
"manager\_id": 145,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/150"  
}  
]  
},  
{  
"employee\_id": 151,  
"first\_name": "David",  
"last\_name": "Bernstein",  
"email": "DBERNSTE",  
"phone\_number": "011.44.1344.345268",  
"hire\_date": "2005-03-24T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 9500,  
"commission\_pct": 0.25,  
"manager\_id": 145,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/151"  
}  
]  
},  
{  
"employee\_id": 152,  
"first\_name": "Peter",  
"last\_name": "Hall",  
"email": "PHALL",  
"phone\_number": "011.44.1344.478968",  
"hire\_date": "2005-08-20T04:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 9000,  
"commission\_pct": 0.25,  
"manager\_id": 145,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/152"  
}  
]  
},  
{  
"employee\_id": 153,  
"first\_name": "Christopher",  
"last\_name": "Olsen",  
"email": "COLSEN",  
"phone\_number": "011.44.1344.498718",  
"hire\_date": "2006-03-30T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 8000,  
"commission\_pct": 0.2,  
"manager\_id": 145,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/153"  
}  
]  
},  
{  
"employee\_id": 154,  
"first\_name": "Nanette",  
"last\_name": "Cambrault",  
"email": "NCAMBRAU",  
"phone\_number": "011.44.1344.987668",  
"hire\_date": "2006-12-09T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 7500,  
"commission\_pct": 0.2,  
"manager\_id": 145,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/154"  
}  
]  
},  
{  
"employee\_id": 155,  
"first\_name": "Oliver",  
"last\_name": "Tuvault",  
"email": "OTUVAULT",  
"phone\_number": "011.44.1344.486508",  
"hire\_date": "2007-11-23T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 7000,  
"commission\_pct": 0.15,  
"manager\_id": 145,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/155"  
}  
]  
},  
{  
"employee\_id": 156,  
"first\_name": "Janette",  
"last\_name": "King",  
"email": "JKING",  
"phone\_number": "011.44.1345.429268",  
"hire\_date": "2004-01-30T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 10000,  
"commission\_pct": 0.35,  
"manager\_id": 146,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/156"  
}  
]  
},  
{  
"employee\_id": 157,  
"first\_name": "Patrick",  
"last\_name": "Sully",  
"email": "PSULLY",  
"phone\_number": "011.44.1345.929268",  
"hire\_date": "2004-03-04T05:00:00Z",  
"job\_id": "SA\_REP",  
"salary": 9500,  
"commission\_pct": 0.35,  
"manager\_id": 146,  
"department\_id": 80,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/157"  
}  
]  
},  
{  
"employee\_id": 158,  
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"email": "AWALSH",  
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"last\_name": "Feeney",  
"email": "KFEENEY",  
"phone\_number": "650.507.9822",  
"hire\_date": "2006-05-23T04:00:00Z",  
"job\_id": "SH\_CLERK",  
"salary": 3000,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/197"  
}  
]  
},  
{  
"employee\_id": 198,  
"first\_name": "Donald",  
"last\_name": "OConnell",  
"email": "DOCONNEL",  
"phone\_number": "650.507.9833",  
"hire\_date": "2007-06-21T04:00:00Z",  
"job\_id": "SH\_CLERK",  
"salary": 2600,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/198"  
}  
]  
},  
{  
"employee\_id": 199,  
"first\_name": "Douglas",  
"last\_name": "Grant",  
"email": "DGRANT",  
"phone\_number": "650.507.9844",  
"hire\_date": "2008-01-13T05:00:00Z",  
"job\_id": "SH\_CLERK",  
"salary": 2600,  
"commission\_pct": null,  
"manager\_id": 124,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/199"  
}  
]  
}  
],  
"hasMore": true,  
"limit": 100,  
"offset": 0,  
"count": 100,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/"  
},  
{  
"rel": "edit",  
"href": "http://34.223.219.142:1212/ords/hr/employees/"  
},  
{  
"rel": "describedby",  
"href": "http://34.223.219.142:1212/ords/hr/metadata-catalog/employees/"  
},  
{  
"rel": "first",  
"href": "http://34.223.219.142:1212/ords/hr/employees/?limit=100"  
},  
{  
"rel": "next",  
"href": "http://34.223.219.142:1212/ords/hr/employees/?offset=100&limit=100"  
}  
]  
}

=====================================================  
GSON -> is a json parser. that is used to convert from java object to json and from json to java object.

DE-SERIALIZATION: CONVERT JSON -> JAVA OBJECT  
SERIALIZATION: CONVERT JAVA OBJECT -> JSON

HashMap<String,String> map =response.as(HashMap.class);

[commission\_pct, manager\_id, department\_id, job\_id, employee\_id, last\_name, phone\_number, links, hire\_date, salary, first\_name, email]

[null, 100, 50, AC\_MGR, 120, Weiss, 650.123.1234, [{rel=self, href=http://34.223.219.142:1212/ords/hr/employees/120}, {rel=edit, href=http://34.223.219.142:1212/ords/hr/employees/120}, {rel=describedby, href=http://34.223.219.142:1212/ords/hr/metadata-catalog/employees/item}, {rel=collection, href=http://34.223.219.142:1212/ords/hr/employees/}], 2004-07-18T04:00:00Z, 18000, Matthew, MWEISS]

{  
"employee\_id": 120,  
"first\_name": "Matthew",  
"last\_name": "Weiss",  
"email": "MWEISS",  
"phone\_number": "650.123.1234",  
"hire\_date": "2004-07-18T04:00:00Z",  
"job\_id": "AC\_MGR",  
"salary": 18000,  
"commission\_pct": null,  
"manager\_id": 100,  
"department\_id": 50,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/employees/120"  
},  
{  
"rel": "edit",  
"href": "http://34.223.219.142:1212/ords/hr/employees/120"  
},  
{  
"rel": "describedby",  
"href": "http://34.223.219.142:1212/ords/hr/metadata-catalog/employees/item"  
},  
{  
"rel": "collection",  
"href": "http://34.223.219.142:1212/ords/hr/employees/"  
}  
]  
}

===========================

SUMMARY:  
-> GET HTTP METHOD:  
-> HEADERS  
-> PARAMETERS:  
-> QUERY PARAMS  
-> PATH PARAMS

-> ASSERT ITEMS. HASITEMS,HASSIZE ETC. -> HAMCREST MATCHERS  
assertThat().body("items.id",hasSize(10))

-> JSONPATH -> To manipulate json. for more complex assertions etc

-> DESERIALIZATION USING GSON:  
JSON TO MAP  
JSON TO LIST<MAP>  
MAP1 <-> MAP2(EXCEL FILE)

-> POJOS, PUT , POST METHODS