1. Create an index hiking. (use default setting of 5 shards and 1 replica)

PUT hiking2

{

"settings":{

"index" : {

"number\_of\_shards" : 5,

"number\_of\_replicas" : 1

}

}

}

2. Add one or more documents in the index created consisting the following fields:

PUT hiking2/hike/1

{

"hiked\_on":"2019/01/15",

"coordinator":"Sweekriti Gautam",

"total\_students":25,

"cost":3000,

"bus\_booked":true,

"checklist":["food","bus","fuel"],

"test\_field":"confirm"

}

PUT hiking2/hike/2

{

"hiked\_on":"2018/02/11",

"coordinator":"Shreeya Pandey",

"total\_students":15,

"cost":2500,

"bus\_booked":false,

"checklist":["food","bus"],

"test\_field":"confirm"

}

3. Practice retrieving documents by various methods shown in examples.

GET hiking2/hike/\_search

GET hiking2/hike/1

GET hiking2/hike/2

4. Update any inserted document by adding a new field without using script. (Related to normal update)

POST hiking2/hike/2/\_update

{

"doc":{"visited":"no"}

}

GET hiking2/hike/2

5. Update any inserted document to add a new field and remove field added in (4) at the same time using script. (Related to scripted update)

POST hiking2/hike/1/\_update

{

"script": {

"lang": "painless",

"source":"""ctx.\_source.arrival\_time='6am';

ctx.\_source.remove('bus\_booked');

"""

}

}

GET hiking2/hike/1

6. Update any field of any inserted document (say total\_students) to change its value. Make use of params. (Related to scripted update)

POST hiking2/hike/2/\_update

{

"script": {

"lang": "painless",

"source":"ctx.\_source.cost\*=params.multiplier",

"params": {

"multiplier":2

}

}

}

GET hiking2/hike/2

7. Use loop and condition to carry out any operation in any inserted document (Related to scripted update)

**Loop:**

POST hiking2/hike/1/\_update

{

"script":{

"lang":"painless",

"source":"""

for (int i=0; i<5; i++){

String value='item'+i;

ctx.\_source.checklist.add(value)

}"""

}

}

GET hiking2/hike/1

**Condition:**

POST hiking2/hike/1/\_update

{

"script":{

"lang":"painless",

"source":"""

for (int i=0; i<5; i++){

String val='item'+i;

if (!ctx.\_source.checklist.contains(val)){

ctx.\_source.checklist.add(val)

}

}"""

}

}

GET hiking2/hike/1