A	SSI	a	nmen	t-	BG

* Date of completition: 25/11/2020

Date of Submission: 27/11/2020.

Title: ISON Objects

Problem Statement:

Create simple objects and array objects using ISON

Objective:

To create simple ISON objects and ISON array objects.

Outcome:

- Students will be able to: i) create simple ISON objects and ISON alsay object
- 2) Theest them in a Mongo DB database.

* S/W and H/W requirements: Mongo DB H'H'I server, IntelliJ IDF, Windows 10

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* Theory!

Defore me start with operations on Jeon using Java, me need to instant any of the John modules available.

0 JSON

is a lightweight clota-interchange tomat and is most commonly used for elient-server communication.

- 2ts both easy to read swrite and language widependent.

aray, number, string, boolean or mul

· son in Java

The 'ISON-Java' library is also known as ergison provides us with slaves that are used to passe and manipulate 1204 in Java

- Furthermore, this library can also connect between 150N, XMI, HTTP, Headen, Cookies, etc.

o ISON Object is an unordered collection of key & values pairs, resembling Java's nature map implementations.

Teacher's Sign.:

Teacher's Sign .: _

· keye are unique strings that connot be
Number string som a boolean, som object, will object.
enclosed within curry braces with keys
and values separated by a colon, all pairs separated by comma
It has several constructors with which to
It also supports following main methods:
(1) get (string key) gets the object associated with the supplied key, theores Ison Exception if
2) pot (String key) - gets object associated with
the supplied key my otherwise. 3) put (string key, object value). - inserts or replace a key-value pair is
Suntan Son Object
JSONOBject jo = new TCONObject 0; jo put ("name", "Varum");
Jo put ("age", 20); JSON Object: 3 "name"! Varm", "age": 20}

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2 ISON ARRAY: - its an ordered rellection of values, resembling Lavais matine nector implementation. - values com be anything. vittin square. Brachets and consists of a coulction of values seperated by common - Like USON Dobject, it has a constructor that accepts source string and process passes it to construct a JSON ARray. Methods: 1. get (int index) 2. opt (int midex) 3. put (Object value) 180N Allay ja : new TSONARRay (); ja put (UBorlean TRUE): ja put (" p"); JSON Object jo = new JSON Object (); Creating romarray from an Array

Nist oftening > list = now Arrayhist <> (); list add ("A"); list add ("B");

IsonArray ja = new IsonArray (list);

Test cases:

Input Result Expected output Document & S. i'd = 101, Name: Vasur Name: Varin, Age: 20 Age = 20 Mories = Document & Success Moniec Mon'e id: 101 Monieid: 101, Gense: comedy Genel: comedy, Rating = 9,57, Rating: 9.5

} Morreid: 102,

genre! horror,

Rating: 8.9 }] ??

* Conclusion:

Monle lid = 102

Rating: 8.9

Gense: horsol

Thus we estated single ISON objects and away objects in Java

Teacher's Sign.: ___