

**CS 207: Applied Database Practicum**  
**In-Class Activity 10: Introduction to Node's and MongoDB, 15<sup>th</sup> October, 2018**

Q1. In this activity, you will be working in Nodejs and MongoDB.

(i) Create a nodejs application that connects to mongoDB.

[To run a nodejs app use **node <file\_name>.js**. The result will be displayed in the terminal]

(ii) Once connected, create a database **activity10**, a collection **items** and insert 3 documents into it of the form given below:

```
{item: "journal", qty: 25, tags: ["blank", "red"], size: { h: 14, w: 21, uom: "cm" } },  
{item: "mat", qty: 85, tags: ["gray"], size: { h: 27.9, w: 35.5, uom: "cm" } },  
{item: "mousepad", qty: 25, tags: ["gel", "blue"], size: { h: 19, w: 22.85, uom: "cm" } }
```

Q2. Create another nodejs application:

(i) This nodejs application should update the document **item: journal** and change its **height** to **30.4**.

(ii) Delete the document **item: mousepad** from the collection **items**

BONUS: ONLY if you have done the above steps, then you can try this bonus for an extra point.

Q3. Create a nodejs application that:

(i) Display all the documents in the collection **items**

(ii) Display only those documents whose **height** is *greater than 30*.