# IST769 Homework Submission Template

## Basic Information

Your Name: Wanyue Xiao

SUID: 720633297

Your Email: xwanyue@syr.edu

Date Due: April 2nd, 2020

Homework #: HW08

## Instructions

For each answer, please include your answer as text, and any screenshot(s) which demonstrate your answer was executed. Most importantly, make sure to include evidence your answer is correct. This will most likely be a screenshot. If you had issues, problems, or had to make assumptions include them in your answer.

## Your Answers:

1. **use db**

**show collections**

**db.countries.find({},{“name”:1,”population”:2,capital”:3})**

A close up of text on a white background

Description automatically generatedA screenshot of a computer

Description automatically generated

1. **db.countries.find({“population”:{$lt:500000}},{“name”:1,”population”:2,capital”:3}).sort({“population”:1})**

A close up of a person

Description automatically generated

1. **db.countries.find({“population”:{$lt:500000}},{“name”:1,”population”:2,capital”:3}).sort({“population”:1}).explain(executionStats)**

Original:A screenshot of a cell phone

Description automatically generated

Create Index:

**db.countries.creatIndex({population:1})**

A picture containing photo, food

Description automatically generated

**db.countries.find({“population”:{$lt:500000}},{“name”:1,”population”:2,capital”:3}).sort({“population”:1}).explain(executionStats)**

Current:

A screenshot of a cell phone

Description automatically generated

4.

**hmset product:Apple ID 1 Name Apple QtyOnHand 7 UnitPrice 2.49**

**hmset product:Banana ID 2 Name Banana QtyOnHand 12 UnitPrice 1.99**

**hmset product:Cherry ID 3 Name Cherry QtyOnHand 9 UnitPrice 4.99**

A close up of a screen

Description automatically generated

**Key product:\***

A close up of a sign

Description automatically generated

**hgetall product:Apple**

**hgetall product:Banana**

**hgetall product:Cherry**

A screenshot of a cell phone

Description automatically generated

5.

**zadd city:snowFall 97 Syracuse 68 Rochester 84 Buffalo**

**zrange city:snowFall 0 -1 withscores**

A close up of a logo

Description automatically generated

**zadd city:snowFall incr 10 Buffalo**

**zrange city:snowFall 0 -1 withscores**

A picture containing drawing

Description automatically generated

## Student Reflection:

To achieve the highest grade on the assignment you must be as descriptive and personal as possible with your reflection. Ask yourself the following questions.

1. What new information have I learned from completing this assignment?  
   mongodb and redis
2. What were my challenges / roadblocks I encountered on the way to completing it?  
   not familiar with the basic concepts
3. To be better prepared to attempt this assignment I should \_\_\_\_\_\_\_ ?

google

1. If I could make this assignment better, I would \_\_\_\_\_?  
   watch the videos
2. Rate your comfort level with completing this assignment: 1  
   1 ==> I can do this on my own and explain how to do it.

2 ==> I can do this on my own without any help.

3 ==> I can do this with help or guidance from others. If you choose this level, please list those who helped you.

4 ==> I don't understand this at all yet and need extra help. If you choose this, please try to articulate that which you do not understand.