**Problem 1**

Given the data of Kepler’s space expedition of finding exoplanets

[kepler\_data](https://docs.google.com/spreadsheets/u/0/d/18JaG_9Ejxv5SU3tRpKc-LlZSfWsm5ggK7j_8AKkVzy4/edit)

Write a node program to extract habitable planets from the given data by using parsing and streaming the csv data

The criteria for finding the habitable planet is given below.All the 3 conditions should be matched for a planet to become habitable

1. koi\_disposition should be confirmed
2. koi\_insol should be in between .36 and 1.11
3. koi\_prad should be less than 1.6

You can store the output in an array and display it in the terminal console.

**Problem 2**

Consider we have a collection of group of friends as an array of objects in the following format.

| [  {  id:<id of the friend 1>,  name:<name of the friend 1>  },  {  id:<id of the friend 2>,  name:<name of the friend 2>  }  ] |
| --- |

Create a **node js** program using **express** to avail following results in the respective endpoints

**A. Endpoint** : /friends , **Method** : GET

| **Response**:  [  {  id: 0,  name: 'Albert Einstein'  },  {  id: 1,  name: 'Sir Isaac Newton'  }  ] |
| --- |

**B. Endpoint** : /friends/0 , **Method** : GET

The response should return the details of friend having id mentioned in the url

| **Response**:  {  id: 0,  name: 'Albert Einstein'  } |
| --- |

**C. Now add a new friend to our friends collection by POST method**

**Endpoint** : /friends , **Method** : POST

| **Body:**  {  id: 2,  name: 'Elon Musk’'  } |
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| **Response**:  {  id: 2,  name: 'Elon Musk’'  } |
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**After adding the new friend to our collection, then the endpoint “/friends” and method “GET” should return following response**

| [  {  id: 0,  name: 'Albert Einstein'  },  {  id: 1,  name: 'Sir Isaac Newton'  },  {  id: 2,  name: 'Elon Musk’'  }  ] |
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**Preferred Skills**

1. Knowledge in template engines(Handlebars)
2. Express routing
3. Integration with front end
4. Mongodb

**Expected days for completion: 2 days**