1. Make a api for phone number login

    a. Make add Customer api for customer, assume admin is adding customer .. use the input params validation, code commenting, logging and check for duplicates where required .

    b. Use of transaction connection in mysql is good to have (not the requirement)

2. Refer to the tables below, Write a sql query for finding the subjects for each student, the subjects should be order by alphabetically .

Sample response :

customerid	name	subjects
1	Ravi	english,hindi,math

customers

customerId	name	email
1	ravi	ravi123@gmail.com
2	kishan	kishan11@gmail.com
3	sameer	sameer44@gmail.com

Subjects

subjectId	subjectName
1	English
2	Hindi
3	Maths

Subject student mapping

mappingId	customerId	subjectId
1	1	1
2	1	2
3	1	3
4	2	1
5	3	3

6	3	1

3. Write a function in node that inserts the following data in mysql , the email should be unique and if the email already exists in the system then the name of the customer will be updated with the new name that is there in the array for that customer.

```js
const customers = [{
    email : "anurag11@yopmail.com"  ,
    name  : "anurag"
},
{
    email : "sameer11@yopmail.com"  ,
    name  : "sameer"
},
{
    email : "ravi11@yopmail.com"  ,
    name  : "ravi"
},
{
    email : "akash11@yopmail.com"  ,
    name  : "akash"
},
{
    email : "anjali11@yopmail.com"  ,
    name  : "anjai"
},
{
    email : "santosh11@yopmail.com"  ,
    name  : "santosh"
},
]
```

customerId	name	email
1	santosh	santosh11@yopmail.com
2	ravi	ravi11@yopmail.com

4. Create a new object which have all the properties of object person and student

```js
const person = {
   id : 2 ,
   gender : 'mail'
};

const student =  {
```

```
    name : "ravi" ,
    email  :"ravi11@yopmail.com"
};
```

5. Make a promisifed function for the functioan having callback below , after the function is promisifed then call the function like you call a promise

```
const request = require('request');

function getGoogleHomePage(finalCallBack){
    request('http://www.google.com', function (error, response, body) {
  console.error('error:', error); // Print the error if one occurred
  finalCallBack(error);
  console.log('statusCode:', response && response.statusCode); // Print the response status
code if a response was received
  console.log('body:', body); // Print the HTML for the Google homepage.
   finalCallBack(null,body);
});
};

console.log(getGoogleHomePage((result)=>{
      console.log("RESULT==>",result);
}));
```

6. Imagine you have array of integer from 1 to 100 , the numbers are randomly ordered , one number from 1 to 100 is missing , Please write the code for finding the missing number