** All following exams please using Javascript only **

1.

```
/**
There is an array, each item has such format:
{firstName: 'xxx', lastName: 'xxx', customerID: 'xxx', note: 'xxx',
profession: 'xxx'}
lastName, note can be empty, customerID can only be a set of digital
numbers.
profession can only have 'student', 'freelancer', 'productOwner',
'engineer' or 'systemAnalytics'.
**/


/**


Q1. Please follow the principle ('firstName' + 'lastName' + 'customerID')
to sort this array and print it out.


**/


function sortUserName(user) {




}




/**
Q2. Please sort by 'profession' to follow the principle.
('systemAnalytics' > 'engineer' > 'productOwner' > 'freelancer' >
'student'')
**/


function sortByType(user) {




}
```

2.

```
/** HTML
<div class="container">
  <div class="header">5/8 外出確認表</div>
    <div class="content">
      <ol class="shop-list">
    <li class="item">麵包</li>
    <li class="item">短袖衣服</li>
    <li class="item">飲用水</li>
    <li class="item">帳篷</li>
      </ol>
      <ul class="shop-list">
    <li class="item">暈車藥</li>
    <li class="item">感冒藥</li>
    <li class="item">丹木斯</li>
    <li class="item">咳嗽糖漿</li>
      </ul>
    </div>
  <div class="footer">以上僅共參考</div>
  </div>
**/


/** CSS
.container {
  font-size: 14px;
}
.container .header {
  font-size: 18px;
}
.container .shop-list {
    list-style: none;
    margin-left: -15px;
}
.container .shop-list li.item {
    color: green;
}
.container .shop-list .item {
  /* Explain why does this color not works, and how to fix make it work on
1st list */
    color: blue;
}


 /* Write styling make every other line give background color to next one */

**/
```

3.

```
/**

let items = [1, 1, 1, 5, 2, 3, 4, 3, 3, 3, 3, 3, 3, 7, 8, 5, 4, 9, 0, 1,
3, 2, 6, 7, 5, 4, 4, 7, 8, 8, 0, 1, 2, 3, 1];
Please write down a function to console log unique value from this array.

**/

function getUniqueNumber (items) {



}
```

4.

```
/** Can you explain about Interface and Enum, and where will you be using,
  please make some examples. **/
```

5.

```
/** Can you explain the problem with the following code, and how to fix
it. **/

class Count extends React.Component {
  constructor(props) {
    super(props);
    this.state = { count: 0 };
    this.handleAddCount = this.handleAddCount.bind(this);
  }

  handleAddCount(){
    this.setState({ count: this.state.count + 1 });
    this.setState({ count: this.state.count + 1 });
    this.setState({ count: this.state.count + 1 });
  }

  render() {
    return (
      <div>
```

```
        <h2>{this.state.count}</h2>
        <button onClick={this.handleAddCount}>Add</button>
      </div>
    );
  }
}

ReactDOM.render(
  <Count />,
  document.getElementById('root')
);
```

6.

/ Please write the sample code to debounce handleOnChange **/**

```
var SearchBox = React.createClass({
  render: function() {
    return <input type="search" name="p" onChange={this.handleOnChange}
/>;
  },

  handleOnChange: function(event) {
    // make ajax call
  }
});
```