

1. You are creating an interface for your university application. You have two methods to manage faculties and manage departments in the interface you created. But one set of clients for your application is having only departments and the other set of clients are having faculties only. What is the principle that is being violated here? Refer the pseudo code below.

```
interface Manageable{

    manageFaculties(data);
    manageDepartment(data);

}

class DepartmentManger implements Manageable{

    public void manageFaculties(data){}

    public void manageDepartment(data){
        //manage department code goes here
    }

}
```

- a. Liskov substitution principle.
 - b. Interface segregation principle.
 - c. Single responsibility principle.
 - d. Class content violation principle.
2. What is HTTP status code 500?
- a. Internal server error.
 - b. Bad gateway.
 - c. Not found
 - d. None of the above.
3. What is the **main** objective of code reviews?
- a. Find bugs.
 - b. Assess the competency of the developer who did the coding at first place.
 - c. Validate the business requirement.
 - d. Improve the overall quality of the codebase.
4. What HTTP verb is intended for replace a existing resource?
- a. GET
 - b. POST
 - c. PUT

d. DELETE

5. What is the most suitable to explain following code?

```
function calculator(tax){  
    return function(amount){  
        return tax*amount/100;  
    }  
}
```

- a. OOP.
- b. Functional closure.
- c. Callbacks.
- d. Prototypes.