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ASSESSMENT

1. Pseudocode for finding the largest odd number.

```
Array = [-3, 5, 6, 2, 7, 1, 0, 8]

/*find largest odd number*/
largest = i;
for number in Array[]:
    if number % 2 != 0 and number > largest:
        largest = number
if largest == 0:
    print "There were no odd integers"
else:
    print largest
```

2. Used Postman to carry out Get request. Got 2 responses. Only managed capture this one response. Also used this code; Unable to get the second response again.

```
const Http = new XMLHttpRequest();
const url='https://smile.etiqa.com.my/api/v2/status';
Http.open("GET", url);
Http.send();

Http.onreadystatechange = function() {
    if(this.readyState==4 && this.status==200){
        console.log(Http.responseText)
    }
}
```

```
{
  "code": "200",
  "message": "Success",
  "data": {
    "smile": "2.0.20",
    "partner": "1.0.0",
    "serverStatus": "active",
    "invitationMode": false
  }
}
```

3. Use a repository. A repository is a database of all edits and old versions of project. Sometimes, the edits and updates in the repository is not yet applied to the working copy of the project. Alice and Bob can use a repository to perform simultaneous changes and then merge again. A version control system can be used for this situation. It lets multiple users simultaneously edit their own copies of

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project. Both can edit with their own changes and share with other colleagues. Other colleagues edit doesn't interfere with another person edit. Example of tools; GitHub and Bitbucket.

4. Frameworks

- a) For mobile application there are four main types of development, such a native, hybrid, cross platform and web applications. For native types, framework used is React Native and Android Studio. For hybrid type of mobile application, Flutter or Ionic can be used.. For cross platform app development, Adobe PhoneGap can be used.
- b) Among famous framework for API development is Django, Laravel and Express JS.
- c) Database frameworks that are commonly used are Microsoft Access, Microsoft SQL Server, MySQL and Oracle RDBMS.

5. Get the year. Let Year = X;

- 1. If X is divisible by 4, continue to step 2; else X is not leap year.
- 2. If X is divisible by 100, continue to step 3; else is a leap year.
- 3. If the number is divisible by 400, it is a leap year, else it is not a leap year.