

Apex REST Callouts

Apex Class

```
public class AnimalLocator
{

    public static String getAnimalNameById(Integer id)
    {
        Http http = new Http();
        HttpRequest request = new HttpRequest();
        request.setEndpoint('https://th-apex-http-callout.herokuapp.com/animals/'+id);
        request.setMethod('GET');
        HttpResponse response = http.send(request);

        String strResp = "";
        system.debug('*****response '+response.getStatusCode());
        system.debug('*****response '+response.getBody());

        if (response.getStatusCode() == 200)
        {
            Map<String, Object> results = (Map<String, Object>)
JSON.deserializeUntyped(response.getBody());

            Map<string,object> animals = (map<string,object>) results.get('animal');
            System.debug('Received the following animals:' + animals );
            strResp = string.valueOf(animals.get('name'));
            System.debug('strResp >>>>>' + strResp );
        }
        return strResp ;
    }
}
```

Apex Test Class

```
@isTest
private class AnimalLocatorTest{

    @isTest static void AnimalLocatorMock1() {
        Test.SetMock(HttpCalloutMock.class, new AnimalLocatorMock());
        string result=AnimalLocator.getAnimalNameById(3);
        string expectedResult='chicken';
        System.assertEquals(result, expectedResult);
    }
}
```

Apex Mock Test Class

```
@isTest
global class AnimalLocatorMock implements HttpCalloutMock {

    global HTTPResponse respond(HTTPRequest request) {
        HttpResponse response = new HttpResponse();
        response.setHeader('Content-Type', 'application/json');
        response.setBody('{"animal":{"id":1,"name":"chicken","eats":"chicken food","says":"cluck cluck"}}');
        response.setStatusCode(200);
        return response;
    }
}
```