

APEX INTEGRATION SERVICES

APEX REST CALLOUTS

Class AnimalLocator:

```
public class AnimalLocator{

    public static String getAnimalNameById(Integer x){

        Http http = new Http();

        HttpRequest req = new HttpRequest();

        req.setEndpoint('https://th-apex-http-callout.herokuapp.com/animals/' + x);

        req.setMethod('GET');

        Map<String, Object> animal= new Map<String, Object>();

        HttpResponse res = http.send(req);

        if (res.getStatusCode() == 200) {

            Map<String, Object> results = (Map<String, Object>)JSON.deserializeUntyped(res.getBody());

            animal = (Map<String, Object>) results.get('animal');

        }

        return (String)animal.get('name');

    }

}
```

AnimalLocatorTest

@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 );

}

}

```

AnimalLocatorMock

```

@isTest

global class AnimalLocatorMock implements HttpCalloutMock {

    // Implement this interface method

    global HTTPResponse respond(HTTPRequest request) {

        // Create a fake response

        HttpResponse response = new HttpResponse();

        response.setHeader('Content-Type', 'application/json');

        response.setBody('{"animals": ["majestic badger", "fluffy bunny", "scary bear", "chicken", "mighty moose"]}');

        response.setStatusCode(200);

        return response;

    }

}

```