We have a nested object. We would like a function where you pass in the object and a key and

get back the value.

The choice of language is java

Example Inputs

object = {“a”:{“b”:{“c”:”d”}}}

key = a/b/c

object = {“x”:{“y”:{“z”:”a”}}}

key = x/y/z

value = a

**Language :java**

import org.json.JSONObject;

public class NestedObjectValueGetter {

public static void main(String[] args) {

// Example usage

JSONObject object = new JSONObject("{\"a\":{\"b\":{\"c\":\"d\"}}}");

String key = "a/b/c";

String value = getValueFromNestedObject(object, key);

System.out.println("Value: " + value);

}

public static String getValueFromNestedObject(JSONObject object, String key) {

String[] keys = key.split("/");

JSONObject currentObj = object;

for (String k : keys) {

if (currentObj.has(k)) {

Object value = currentObj.get(k);

if (value instanceof JSONObject) {

currentObj = (JSONObject) value;

} else {

return value.toString();

}

} else {

return null; // Key not found

}

}

return null; // Key not found

}

}