**SimpleDB query(** PUTREST API **call ):-**

https://sdb.amazonaws.com/?Action=PutAttributes

&DomainName=users

&userID=user123

&Attribute.1.Name=Name&Attribute.1.Value=XYZ

&Attribute.2.Name=Sex&Attribute.2.Value=Male

&Attribute.3.Name=Password&Attribute.3.Value=xyz1234567890

&Attribute.4.Name=Address&Attribute.4.Value=Dno:-1-2-1, pqr street

&Attribute.5.Name=City&Attribute.5.Value=Hyderabad

&Attribute.6.Name=Pincode&Attribute.6.Value=500001

&AWSAccessKeyId=your\_access\_key

&Version=2009-04-15

&Signature=valid\_signature

&SignatureVersion=2

&SignatureMethod=HmacSHA256

&Timestamp=2020-02-25T15%3A01%3A28-07%3A00

This above REST API call will insert user123 into users domain (which is nothing but a database in simpleDB) and user123 details Name, Sex, Password, Address, City, Pincode.

In above query

**END point** :- <https://sdb.amazonaws.com/>,

Domain :- users,

UserID :- users123,

Action :- PutAttributes (put method),

Attributes :- Name, Sex, Password, Address, City, Pincode

Values of Attributes :- XYZ, Male, xyz1234567890, Dno:- 1-2-1 pqr street,Hyderabad,500001

Version :- database version

Signature:- The signature authenticates your request to AWS and must be accompanied by a valid timestamp

Signature version :- Currently for Amazon SimpleDB, this value should always be 2

For inserting it into simpleDB we need ASWAccessKeyId which is associated with our AWS account.

**Success Code:-**

**If we run this above query successfully we will get response like below in xml format by saying status code as success with unique request Id and Boxusage.**

<PutAttributesResponse>

<ResponseMetadata>

<StatusCode>Success</StatusCode>

<RequestId>f6820318-9658-4a9d-89f8-b067c90904fc</RequestId>

<BoxUsage>0.0000219907</BoxUsage>

</ResponseMetadata>

</PutAttributesResponse>

**Error Code:-**

In case of error we will get response in xml format by saying errors and we get error code:- for example requestExpired means using invalid timestamp like that.

<Response>

<Errors>

<Error>

<Code>RequestExpired</Code>

<Message>

</Message>

</Error>

</Errors>

<RequestID>3db7cca3-2586-dadd-e1fb-1cd68a49f06a</RequestID >

</Response>