**Extracting data from Cucumber Data table:**

1. **Data table** without **header** using **List<String>**

List<String> data=dataTable.asList(String.class);

sout(data.get(0));

sout(data.get(1));

eg:

List<String> accountData=DataTable.asList(String.class);  
  
**new** RegisterPage().selectTitle(accountData.get(0))

.enterFirstName(accountData.get(1)).enterLastName(accountData.get(2)).

enterEmailID(accountData.get(3)).enterPassword(accountData.get(4)).

enterDateOfBirth(accountData.get(5)).enterTelephoneNo(accountData.get(6)).

enterHouseNumber(accountData.get(7)).enterPostCode(accountData.get(8));

1. **Data table** with **header** using **List<Map<String, String>>**

List<Map<String, String>> data=dataTable.asMaps(String.class, String.class);

sout(data.get(0).get(“First Name”));

sout(data.get(0).get(“Last Name”));

List<Map<String,String>> accountData=DataTable.asMaps(String.**class**, String.**class**);  
  
**new** RegisterPage().selectTitle(accountData.get(0).get(**"Title"**))

.enterFirstName(accountData.get(0).get(**"First Name"**))

.enterLastName(accountData.get(0).get(**"Last name"**))

.enterEmailID(accountData.get(0).get(**"Email"**))

.enterPassword(accountData.get(0).get(**"Password"**))  
.enterDateOfBirth(accountData.get(0).get(**"DOB"**))

.enterTelephoneNo(accountData.get(0).get(**"Telephone"**))  
.enterHouseNumber(accountData.get(0).get(**"House Number"**))

.enterPostCode(accountData.get(0).get(**"Post Code"**));

1. **Data table with header and multiple rows using List<Map<String, String>>**

**[ note we can use for loop or index-based logic to fetch values from different rows of data.**

**For row 1, index will be 0, for row 2, index is 1 and so on..].**

List<Map<String, String>> data=dataTable.asMaps(String.class, String.class);

for(int i=0;i<data.size();i++) {

sout(data.get(i).get(“First Name”);

sout(data.get(i).get(“Last Name”);

}