## **Test Plan**

### **Requirement based testing**

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| **TEST\_ID** | **Description** | **Expected Input** | **Expected Output** | **Actual Output** |
| 1\_HL\_01 | When user gives input as a production ID then find State using production | Input Should be Production ID to find state | The state name with respect to Production ID | TEST Case passed |
| 2\_HL\_02 | Find out states with kharif season | Pass  Kharif to Season column in database using iterator | List of the States whose grows up Kharif | Complete list of states |
| 3\_HL\_03 | Using area code should remove the respective production from database | Area ID | Delete Complete data related to Area ID | Data related to this is removed |
| 4\_HL\_04 | If user gives the productionID then code should able to find the type of production | Production ID | Type of the Production | TEST case passed |
| 5\_HL\_05 | Should able to find count of database | Pass the database to Iterator | Count of the database | Displayed Count |
| 6\_HL\_06 | Find the number of States whose grows the potatoes crops | Pass state column to iterator | List of States Whose grows potato crops | Complete list of states |
| 7\_HL\_07 | Which States have a minimum area. | Area itself to iterator | The State name Which has minimum area | State name(whose has less area) |
| 8\_HL\_08 | Give the districtName which grows the maximum production. | Production | The Name of district will display which has maximum production | District Name displayed |

### **Boundary condition testing**

1) When user wants to find District or State which is not there in database

2) Limited Database

### **Scenario Based testing**

1) When user give String instead of integer value

2) When the user enters an operand which is undefined