### Input and output

Both Input and Output are supporting Basic Data,Basic Data List,Object, and Object List

#### Basic Data

For example, the application needs to get stock price by stock code from DB. We define a function name as getprice and the input and output data type are Basic Data. The function input and output definition as below

Input

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method Name** | **Parameter Type** | **Parameter Class** | **Parameter Name** | **Write to Cell Address** |
| getprice | Basic Data | String | stockcode | Input cell address |

Output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Function Point** | **Method Name** | **Return Type** | **Return Class** | **Return Value Cell Address** | **DB Operation Type** |
| Get Stock Price | getprice | Basic Data | Double | Output cell address | Non Transaction |

#### Basic Data List

For example, the application needs to get Bloomberg Ticker by Security ID list from Bloomberg website. We define a function name as getbblist, the input data is a security ID list and output is a Bloomberg Ticker List. The function input and output definition as below

Input

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method Name** | **Parameter Type** | **Parameter Class** | **Parameter Name** | **Write to Cell Address** |
| getbblist | Basic Data List | String | securityID | Input cell address |

Output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Function Point** | **Method Name** | **Return Type** | **Return Class** | **Return Value Cell Address** | **List Row Size** |
| Get Bloomberg List | getbblist | Basic Data List | String | Output cell address | 50 |

#### Object

For example, the application needs to get the first payment detail by loan information. We define a function name as getfirstpay, the input object is Loan and the output object is payment. We should define objects first and the input and output definition as below

Input

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Method Name** | **Parameter Type** | **Parameter Class** | **Parameter Name** | **Write to Cell Address** | **Object Extraction JsonPath** | **Extraction Value Type** | **Extraction Value Type** |
| getfirstpay | Object | loan | loanamt | Input cell address | $.loanamt | Double |  |
| getfirstpay | Object | loan | intrate | Input cell address | $.intrate | Double |  |
| getfirstpay | Object | loan | loanperiod | Input cell address | $.loanperiod | Integer |  |
| getfirstpay | Object | loan | startdate | Input cell address | $.startdate | Date | YYYY/MM/DD |

Output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Function Point** | **Method Name** | **Return Type** | **Return Class** | **Return Value Cell Address** |
| Get Bloomberg List | getfirstpay | Basic Data List | payment | Output cell address |

#### Object List

For example, the application needs to get the payment details by loan details. The input is loan list and the output is a payment list. We define a function name as getpaymentlist and the function input and output definition as below

Input

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Method Name** | **Parameter Type** | **Parameter Class** | **Parameter Name** | **Write to Cell Address** | **Object Extraction JsonPath** | **Extraction Value Type** | **Extraction Value Type** | **List Row Size** |
| getpaymentlist | Object List | loan | loanamt | Input cell address | $.loanamt | Double |  |  |
| getpaymentlist | Object List | loan | intrate | Input cell address | $.intrate | Double |  | 100 |
| getpaymentlist | Object List | loan | loanperiod | Input cell address | $.loanperiod | Integer |  | 100 |
| getpaymentlist | Object List | loan | startdate | Input cell address | $.startdate | Date | YYYY/MM/DD | 100 |

Output

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Function Point** | **Method Name** | **Return Type** | **Return Class** | **Return Value Cell Address** | **List Row Size** | **List Col Size** |
| Get Payment List | getpaymentlist | Object List | payment | Output cell address | 120 | 7 |