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"name": "python"

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"execution\_count": 5,

"metadata": {

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},

"outputs": [],

"source": [

"df= \"Hi Iam Thaneesh\""

]

},

{

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"source": [

"df.split()"

],

"metadata": {

"colab": {

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"id": "9M\_sFhIrLemk",

"outputId": "b41b0ce5-c4f7-4612-9afd-bbfc2a44983a"

},

"execution\_count": 6,

"outputs": [

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"data": {

"text/plain": [

"['Hi', 'Iam', 'Thaneesh']"

]

},

"metadata": {},

"execution\_count": 6

}

]

},

{

"cell\_type": "code",

"source": [

"planet = \"Mars\"\n",

"diameter = 13743"

],

"metadata": {

"id": "wQRc7Yn4LjDD"

},

"execution\_count": 7,

"outputs": []

},

{

"cell\_type": "code",

"source": [

"print('The diameter of {} is {} kilometer .'.format(planet,diameter));"

],

"metadata": {

"colab": {

"base\_uri": "https://localhost:8080/"

},

"id": "qggf0-TaLtcK",

"outputId": "f65dc676-c8bb-4174-92ae-0e2c18bdb248"

},

"execution\_count": 8,

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{

"output\_type": "stream",

"name": "stdout",

"text": [

"The diameter of Mars is 13743 kilometer .\n"

]

}

]

},

{

"cell\_type": "code",

"source": [

"d={'k1':[1,2,3,{'tricky':['oh','man','inception',{'target':[1,2,3,'hello']}]}]}"

],

"metadata": {

"id": "9pFZUMFBLxjf"

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"d['k1'][3]['tricky'][3]['target'][3]"

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},

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"data": {

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"'hello'"

],

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"type": "string"

}

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"metadata": {},

"execution\_count": 11

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{

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"import numpy as np"

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"metadata": {

"id": "zWSmpJUENTGG"

},

"execution\_count": 12,

"outputs": []

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{

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"source": [

"s = np.zeros(12)\n",

"s"

],

"metadata": {

"colab": {

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"id": "TXk\_bl5ONXoL",

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},

"execution\_count": 13,

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{

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"data": {

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]

},

"metadata": {},

"execution\_count": 13

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{

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"source": [

"v= np.ones(10)\*6\n",

"v"

],

"metadata": {

"colab": {

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},

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"data": {

"text/plain": [

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]

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"metadata": {},

"execution\_count": 15

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]

},

{

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"source": [

"a = np.arange(20,35,2)\n",

"a"

],

"metadata": {

"colab": {

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},

"id": "uK7ZS\_GaNte5",

"outputId": "2e7d0189-c95b-4530-b4f2-748b29cf8b9e"

},

"execution\_count": 18,

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"data": {

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"array([20, 22, 24, 26, 28, 30, 32, 34])"

]

},

"metadata": {},

"execution\_count": 18

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]

},

{

"cell\_type": "code",

"source": [

"array = np.arange(0,9).reshape(3,3)\n",

"array"

],

"metadata": {

"colab": {

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"id": "MHJX\_hw1OB7U",

"outputId": "84cb415a-f7ac-4aac-e13b-ba4186c917bb"

},

"execution\_count": 19,

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{

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"data": {

"text/plain": [

"array([[0, 1, 2],\n",

" [3, 4, 5],\n",

" [6, 7, 8]])"

]

},

"metadata": {},

"execution\_count": 19

}

]

},

{

"cell\_type": "code",

"source": [

"a=np.array([1,2,3])\n",

"b=np.array([4,5,6])\n",

"np.concatenate((a,b),axis=0)"

],

"metadata": {

"colab": {

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"outputId": "a57aa48e-7e5f-444a-eb21-781abe5979c6"

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"data": {

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"array([1, 2, 3, 4, 5, 6])"

]

},

"metadata": {},

"execution\_count": 20

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{

"cell\_type": "code",

"source": [

"import pandas as pd"

],

"metadata": {

"id": "TMhwxb5MOT3T"

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"execution\_count": 21,

"outputs": []

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{

"cell\_type": "code",

"source": [

"d = {\"names\":[\"Thaneesh\",\"SEnbagaraman\",\"Parthiban\"],\"Age\":[21,21,21]}\n",

"df = pd.DataFrame(d)\n",

"df"

],

"metadata": {

"colab": {

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"id": "PzWRzRuwOjKi",

"outputId": "8e45be93-b015-4388-d4c0-45931cae3845"

},

"execution\_count": 27,

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{

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"data": {

"text/plain": [

" names Age\n",

"0 Thaneesh 21\n",

"1 SEnbagaraman 21\n",

"2 Parthiban 21"

],

"text/html": [

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" <div>\n",

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" vertical-align: middle;\n",

" }\n",

"\n",

" .dataframe tbody tr th {\n",

" vertical-align: top;\n",

" }\n",

"\n",

" .dataframe thead th {\n",

" text-align: right;\n",

" }\n",

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" <thead>\n",

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" <th>names</th>\n",

" <th>Age</th>\n",

" </tr>\n",

" </thead>\n",

" <tbody>\n",

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" <td>SEnbagaraman</td>\n",

" <td>21</td>\n",

" </tr>\n",

" <tr>\n",

" <th>2</th>\n",

" <td>Parthiban</td>\n",

" <td>21</td>\n",

" </tr>\n",

" </tbody>\n",

"</table>\n",

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" title=\"Convert this dataframe to an interactive table.\"\n",

" style=\"display:none;\">\n",

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" width=\"24px\">\n",

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" </svg>\n",

" </button>\n",

" \n",

" <style>\n",

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" display:flex;\n",

" flex-wrap:wrap;\n",

" gap: 12px;\n",

" }\n",

"\n",

" .colab-df-convert {\n",

" background-color: #E8F0FE;\n",

" border: none;\n",

" border-radius: 50%;\n",

" cursor: pointer;\n",

" display: none;\n",

" fill: #1967D2;\n",

" height: 32px;\n",

" padding: 0 0 0 0;\n",

" width: 32px;\n",

" }\n",

"\n",

" .colab-df-convert:hover {\n",

" background-color: #E2EBFA;\n",

" box-shadow: 0px 1px 2px rgba(60, 64, 67, 0.3), 0px 1px 3px 1px rgba(60, 64, 67, 0.15);\n",

" fill: #174EA6;\n",

" }\n",

"\n",

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" background-color: #434B5C;\n",

" box-shadow: 0px 1px 3px 1px rgba(0, 0, 0, 0.15);\n",

" filter: drop-shadow(0px 1px 2px rgba(0, 0, 0, 0.3));\n",

" fill: #FFFFFF;\n",

" }\n",

" </style>\n",

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" const buttonEl =\n",

" document.querySelector('#df-46bbfa0a-1dfa-412d-9cf4-6a733ac9b77f button.colab-df-convert');\n",

" buttonEl.style.display =\n",

" google.colab.kernel.accessAllowed ? 'block' : 'none';\n",

"\n",

" async function convertToInteractive(key) {\n",

" const element = document.querySelector('#df-46bbfa0a-1dfa-412d-9cf4-6a733ac9b77f');\n",

" const dataTable =\n",

" await google.colab.kernel.invokeFunction('convertToInteractive',\n",

" [key], {});\n",

" if (!dataTable) return;\n",

"\n",

" const docLinkHtml = 'Like what you see? Visit the ' +\n",

" '<a target=\"\_blank\" href=https://colab.research.google.com/notebooks/data\_table.ipynb>data table notebook</a>'\n",

" + ' to learn more about interactive tables.';\n",

" element.innerHTML = '';\n",

" dataTable['output\_type'] = 'display\_data';\n",

" await google.colab.output.renderOutput(dataTable, element);\n",

" const docLink = document.createElement('div');\n",

" docLink.innerHTML = docLinkHtml;\n",

" element.appendChild(docLink);\n",

" }\n",

" </script>\n",

" </div>\n",

" </div>\n",

" "

]

},

"metadata": {},

"execution\_count": 27

}

]

},

{

"cell\_type": "code",

"source": [

"p =pd.date\_range(start='1-2-2022',end='30-3-2022')\n",

"for val in p:\n",

" print(val)\n"

],

"metadata": {

"colab": {

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"id": "3C3cKZl-PZAa",

"outputId": "67589ed0-6025-4f40-d463-9a45507196f9"

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"execution\_count": 28,

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"name": "stdout",

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"2022-01-03 00:00:00\n",

"2022-01-04 00:00:00\n",

"2022-01-05 00:00:00\n",

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}

]

},

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"lists =[[1,'Stk',22],[2,'Sen',22],[3,'Par',22]]"

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"metadata": {

"id": "uCZctC2EPZJa"

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"execution\_count": 32,

"outputs": []

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"df = pd.DataFrame(lists)\n",

"df"

],

"metadata": {

"colab": {

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},

"id": "bBm86o9hQaxd",

"outputId": "48a8cc08-c38d-4d77-c869-3859846bb77c"

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"execution\_count": 31,

"outputs": [

{

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"data": {

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"0 1 stk 22\n",

"1 2 sen 22\n",

"2 3 par 22"

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"text/html": [

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"\n",

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"\n",

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" text-align: right;\n",

" }\n",

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" </thead>\n",

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" <td>sen</td>\n",

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" <path d=\"M18.56 5.44l.94 2.06.94-2.06 2.06-.94-2.06-.94-.94-2.06-.94 2.06-2.06.94zm-11 1L8.5 8.5l.94-2.06 2.06-.94-2.06-.94L8.5 2.5l-.94 2.06-2.06.94zm10 10l.94 2.06.94-2.06 2.06-.94-2.06-.94-.94-2.06-.94 2.06-2.06.94z\"/><path d=\"M17.41 7.96l-1.37-1.37c-.4-.4-.92-.59-1.43-.59-.52 0-1.04.2-1.43.59L10.3 9.45l-7.72 7.72c-.78.78-.78 2.05 0 2.83L4 21.41c.39.39.9.59 1.41.59.51 0 1.02-.2 1.41-.59l7.78-7.78 2.81-2.81c.8-.78.8-2.07 0-2.86zM5.41 20L4 18.59l7.72-7.72 1.47 1.35L5.41 20z\"/>\n",

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" </button>\n",

" \n",

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" }\n",

"\n",

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" border: none;\n",

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" cursor: pointer;\n",

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" fill: #1967D2;\n",

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" width: 32px;\n",

" }\n",

"\n",

" .colab-df-convert:hover {\n",

" background-color: #E2EBFA;\n",

" box-shadow: 0px 1px 2px rgba(60, 64, 67, 0.3), 0px 1px 3px 1px rgba(60, 64, 67, 0.15);\n",

" fill: #174EA6;\n",

" }\n",

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" background-color: #3B4455;\n",

" fill: #D2E3FC;\n",

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" [theme=dark] .colab-df-convert:hover {\n",

" background-color: #434B5C;\n",

" box-shadow: 0px 1px 3px 1px rgba(0, 0, 0, 0.15);\n",

" filter: drop-shadow(0px 1px 2px rgba(0, 0, 0, 0.3));\n",

" fill: #FFFFFF;\n",

" }\n",

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" const buttonEl =\n",

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" buttonEl.style.display =\n",

" google.colab.kernel.accessAllowed ? 'block' : 'none';\n",

"\n",

" async function convertToInteractive(key) {\n",

" const element = document.querySelector('#df-93dedfce-504d-4176-82a6-f15a6dc0e329');\n",

" const dataTable =\n",

" await google.colab.kernel.invokeFunction('convertToInteractive',\n",

" [key], {});\n",

" if (!dataTable) return;\n",

"\n",

" const docLinkHtml = 'Like what you see? Visit the ' +\n",

" '<a target=\"\_blank\" href=https://colab.research.google.com/notebooks/data\_table.ipynb>data table notebook</a>'\n",

" + ' to learn more about interactive tables.';\n",

" element.innerHTML = '';\n",

" dataTable['output\_type'] = 'display\_data';\n",

" await google.colab.output.renderOutput(dataTable, element);\n",

" const docLink = document.createElement('div');\n",

" docLink.innerHTML = docLinkHtml;\n",

" element.appendChild(docLink);\n",

" }\n",

" </script>\n",

" </div>\n",

" </div>\n",

" "

]

},

"metadata": {},

"execution\_count": 31

}

]

}

]

}