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“id”. “148cb4b”,

“metadata”:{},

“source”:[

“# Basic python”

]

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{

“cell\_type”, “markdown”,

“id”:0e1c06ce”,

“metadata”:{},

“source”:[

“1. Split this string”

]

},

{

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“id”:c7a3b98c”,

“metadata”:{},

“output”:[],

“source”:[

“s=\”Hi there Sam!\ “\n”,

“x=s.split()\n”,

“print(x)”

},

{

“cell\_type”, “raw”,

“id”:”70d12406”,

“metadata”:{},

“source”:[

“[Hi’, ‘there ‘, ‘Sam!]”

]

},

{

“cell\_type”: markdown”,

“id”:55f45016”,

“source”:[

“2. Use .format() to print the following string.”

]

},

{

“cell\_type”, “markdown”,

“id”: “31b5b6f2”,

“matadata”:{},

“source”[

“Output should be: The diameter of Earth is12742 kilomeers.”

]

},

{

“cell\_type”, “code”,

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“id”:05f5a56”,

“metadata”,{},

“output”,[],

“source”:[

“planet = \”Earth\”\n”,

“diameter = 12742\n”,

“st=(\”The diameter of {planet} is {diameter} kilometers.\”)\n”,

“print((str.format(planet=\”Earth\ “, diameter=12742)))”

]

},

{

“cell\_type”:raw”,

“id”: “911d6ce4”,

“metadata”:{},

“source”:[

“The diameter of Earth is 12742 kilometers.\n”

]

},

{

“cell \_type”: “code”,

“id”: “102ab3e5”,

“metadata”,{},

“source”:[

“3 in this nest dictionary grab the word \”hello\”\n”

]

},

{

“cell\_type”: “code:\”,

“execution\_count”: null,

“id”:”43ab3261”,

“metadata”:{},

“output”:[],

“source”:[

“d

{‘k1’:[1,2,3,{‘tricky’:[oh’, ‘man’, ‘inception’,{target’:[1,2,3,’hello’]}]}]}”

]

},

{

“cell\_type”, “code”,

“execution\_count”:null,

“id”: “b57ba3f0”,

“metadata”: {},

“output”:[],

“source”:[

“d.get(‘target’,{}).get(hrllo’)”

]

},

{

“cell\_type”:”markdown”,

“id”:57a6fd6e”,

“metadata”:{},

“source”:[

“Numpy”

]

},

{

“cell\_tyoe”: “code”,

“execution\_count”: null,

“id”:212a9b3c”,

“meatadaa”:{},

“output”:[],

“source”:[

“import numpy as np”

]

},

{

“cell\_type”: “markdown”,

“id”: “e91dce1b”,

“metadata”:{},

“source”:[

“4.1 Create an array of 10 fives?”

]

},

{

“cell\_type”: “markdon”,

“id” “105ad34d”,

“metadata”:{},

“source”:[

“4.2 Create an array of 10 fives?”

]

},

{

“cell\_tyep”: “code”,

“execution\_count”: null,

“id”: “8ad1ea24”,

“metadata”:{},

“output”:[],

“source”[

“arr=np.zeros(10)\n”,

“print(arr)”

]

},

{

“cell\_type”: “raw”,

“id” “003ed73f”,

“metadata”:{},

“source”:[

“[0. 0. 0. 0. 0. 0. 0. 0.0. 0.]”

]

},

{

“cell\_type”: “code”

“execution\_count”: null,

“id”: “3a10afb7”,

“metadata”:{},

“output”:[],

“source”:[

“arr=np.ones(10)\*5\n”,

“print(arr)”

]

},

{

“cell\_type”: “raw”,

“id”: “2af910a3”,

:metadata”:{},

“source”:[

“5. Create an array of all the even integrse from 20 to 35”

]

},

{

“cell\_type”: :code”.

“execution\_count”: null,

“id”: “adabf5ce”,

“metadata”:{},

“output”:[].

“source”:[

“arr-np.arange(20,36,2)\n”.

“print(arr”

]

},

{

“cell\_type”: “markdown”,

“id”: “ea9a55dd”,

“metadata”:{},

“source”:[

“[20 22 24 26 28 30 32 24]”

]

}.

{

“cell\_type”: “markdown”,

“id”: “9b453b43”,

“metadata”:{},

“source”:[

“6. Create a 3x3 matrix with values ranging from 0to 8”

]

},

{

“cell\_type”: “code”

“execution\_count”: null,

“id”: “38914043”,

“metadata”: {},

“output”: [],

“source”:[

“arr=np.array(0.9).reshape(3,3)\n”,

“print”(arr):

]

},

{

“cell\_type”: “raw”,

“id”: “d55c1c4f”,

“metadata”: {},

“source”[

“[[0 1 2 ]\n”,

“[3 4 5 ]”,

“[6 7 8]”,

]

},

{

“cell\_type”: “markdown”,

“id”: “907ccb78”,

“metadata”:{},

“source”:[

“7. Concatenate a and b”

]

},

{

“cell\_type”: “markdown”,

“id”: “cba2161c”,

“markdown”: {},

“source”:[

“a-np.array([1, 2, 3]), b=np.array([4, 5, 6])”

]

},

{

“cell\_type”: “code”,

“execution\_count”: null,

“id”: “cf77ca6c”,

“metadata”:{},

“output”:[],

“source”: [

“a=np.array([1, 2, 3])\n”,

“b=np.array([4, 5, 6])\n”,

“np.concatenate((a,b),axis=None)”

]

},

{

“cell\_type”: “raw”,

“id”: “bff77b97”,

“metadata”:{},

“source”:[

“array([1, 2, 3, 4, 5, 6])”

]

},

{

“cell\_type”: “markdown”,

“id”: “c719ac89”,

“metadata”: {},

“source”: [

“pandas”

]

},

{

“cell\_type”: “markdown”,

“id”: “9fb55447”,

“metadata”:{},

“source”: [

“8. Create a dataframe with 3 rows and 2 columns”

]

},

{

“cell\_type”: “code”,

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“id”: “9835fb44”,

“metadata”: {},

“outputs”:[],

“source”: [

“import pandas as pd”

]

},

{

“cell\_type”: “markdown”,

“id”: “7e3658e9”,

“metadata”: {},

“source”: [

“9. Generate the series of dates from 1st jan, 2023 10th feb,2023”

]

},

{

“cell\_type”: “code”,

“executon\_count”: null,

“metadata”: {},

“outputs”: [],

“source”:[

“pd.data\_range(start=’1/1/2023’,end=’10/02/2023)”

]

},

{

“cell\_type”: “raw”,

“id”: :e6ddd791”,

“metadata”: {},

“source”:[

“DatatimeIndex([2023-01-01’, ‘2023-01-02’, ‘2023-01-03’, ‘2023-01-04’,\n”,

“2023-01-05’, ‘2023=01-06’, ‘2023-01-07’, ‘2023-01-08’,\n”,

“\n”,

“2023-09-23’, ‘2023-09-24’, ‘2023-09-25’, ‘2023-09-36’,\n”,

“2023-09-27’, ‘2023-09-28’, ‘2023-09-29’, ‘2023-09-30’,\n”,

“2023-10-01’, ‘2023-10-02”,\n”,

“dtype= ‘datatime64[ns]’,length=275,freq= ‘D’)]

},

{

“cell\_type”: “markdown”,

“id”: “dd3039ca”,

“metadata”,{}

“source”:[

“10. Create 2D list to Dataframe”

]

},

{

“cell\_type”: “markdown”,

“id”: “162ae708”,

“metadata”: {},

“source”: [

“lists =[[1, ‘aaa’,22], [2,’bbb’, 25], [3, ‘ccc’, 24]]”

]

},

{

“cell\_type”: “code”,

“execution\_count”: null,

“id”: “c4fcfb5c”,

“metadata”: {},

“outputs”: [],

“source”: [

“lists = [[1, ‘aaa’, 22], [2, ‘bbb’, 25], [3, ‘ccc’, 24]]\n”,

“lst = [[ 1, ‘aaa’, 22], [2, ‘bbb’, 25], [3, ‘ccc’,]]\n”,

“df = pd.Dataframe (lst,columns =[‘Tag’, ‘day’, number’]\n”,

“print(df)”

]

},

{

“cell\_type”: “raw”,

“id”: “abcdee75”,

“metadata”: {},

“source”: [

“Tag day number\n”,

“0 1 aaa 22\n”,

“1 2 bbb 25\n”,

“2 3 ccc 24”

]

},

{

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“version”: 3

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“pygments\_lexer”: “ipython3”,

“version”: “3. 10. 7”

}

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“nbformat\_minor”: 5

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