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"# JAYASRI"

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"string = \"Hi there Sam!\"\n",

"print(string.split())"

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"['Hi', 'there', 'Sam!']\n"

]

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"planet = \"Earth\"\n",

"diameter = 12742\n",

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

],

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"The diameter of Earth is 12742 kilometers.\n"

]

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"lst = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]\n",

"a=lst[3][1][2];\n",

"print(a)"

],

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

"print(d['k1'][3][\"tricky\"][3]['target'][3])"

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"hello\n"

]

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"# Numpy"

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"import numpy as np"

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"import numpy as np\n",

"array=np.zeros(10)\n",

"print(\"An array of 10 zeros:\")\n",

"print(array)"

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"[0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]\n"

]

}

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"array=np.ones(10)\*5\n",

"print(\"An array of 10 fives:\")\n",

"print(array)"

],

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"name": "stdout",

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"[5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]\n"

]

}

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"import numpy as np\n",

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

"print(\"Array of all the even integers from 20 to 35\")\n",

"print(array) "

],

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"[20 21 22 23 24 25 26 27 28 29 30 31 32 33 34]\n"

]

}

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"np.arange(0,9).reshape((3,3))"

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

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

" [6, 7, 8]])"

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"execution\_count": 11

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]

},

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

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

"np.stack((a, b))"

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" [4, 5, 6]])"

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"import pandas as pd"

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"import pandas as pd\n",

"import numpy as np\n",

"A = np.random.randint(10, size=(2,3))"

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"cell\_type": "code",

"source": [

"import pandas as pd \n",

"data = [{'x': 2, 'z':3}, {'x': 10, 'y': 20, 'z': 30}] \n",

"dframe = pd.DataFrame(data, index =['first', 'second']) \n",

"print(dframe) "

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" x z y\n",

"first 2 3 NaN\n",

"second 10 30 20.0\n"

]

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"pd.date\_range(start='1/1/2023', end='10/02/2023')"

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" '2023-01-05', '2023-01-06', '2023-01-07', '2023-01-08',\n",

" '2023-01-09', '2023-01-10',\n",

" ...\n",

" '2023-09-23', '2023-09-24', '2023-09-25', '2023-09-26',\n",

" '2023-09-27', '2023-09-28', '2023-09-29', '2023-09-30',\n",

" '2023-10-01', '2023-10-02'],\n",

" dtype='datetime64[ns]', length=275, freq='D')"

]

},

"metadata": {},

"execution\_count": 17

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},

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"cell\_type": "code",

"source": [

"import pandas as pd\n",

"\n",

"lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]\n",

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

"print(df)"

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"0 1 aaa 22\n",

"1 2 bbb 25\n",

"2 3 ccc 24\n"

]

}

]

}

]

}