

# ASSIGNMENT-2

REG NO:413019106301

NAME : E.ABHIRAMI

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42  \n",
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39  \n",
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43  \n",
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    "\n",
    "  async function convertToInteractive(key) {\n",
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    "    const dataTable =\n",
    "      await
google.colab.kernel.invokeFunction('convertToInteractive',\n",
    "    [key], {});\n",
    "    if (!dataTable) return;\n",

```

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        "        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",
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        "11     IsActiveMember 10000 non-null  int64  \n",

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        " 13 Exited          10000 non-null int64  \n",
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        "memory usage: 1.1+ MB\n"
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                    "Gender             0\n",
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                    "HasCrCard          0\n",
                    "IsActiveMember     0\n",
                    "EstimatedSalary    0\n",
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Age	RowNumber	CustomerId	Surname	CreditScore	Geography	Gender
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41	1	2	15647311	1177	2	0
42	2	3	15619304	2040	0	0
39	3	4	15701354	289	0	0
43	4	5	15737888	1822	2	0

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        ]
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Tenure	Balance	NumOfProducts	HasCrCard	IsActiveMember
0	0.00	1	1	1

```

        ]
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n",	"2	8	159660.80	3	1	0	\
n",	"3	1	0.00	2	0	0	\
n",	"4	2	125510.82	1	1	1	\

```

"\n",
"  EstimatedSalary  Exited  \n",
"0      101348.88      1  \n",
"1      112542.58      0  \n",
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table.\">\n",
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2.06-2.06.94z\"/><path d=\"M17.41 7.96l-1.37-1.37c-.4-.4-.92-.59-1.43-.59-.52 0-
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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
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"  </style>\n",
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"    buttonEl.style.display =\n",
"    google.colab.kernel.accessAllowed ? 'block' : 'none';\n",
"\n",
"    async function convertToInteractive(key) {\n",
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"    [key], {});\n",
"    if (!dataTable) return;\n",
"\n",
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notebook</a>'\n",
"    + ' to learn more about interactive tables.';\n",
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    "xtrain"
  ],
  "metadata": {
    "colab": {
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    },
    "id": "dKh70Sn0WUXr",
    "outputId": "4367c18f-96da-49a5-f7f4-b99c0b3dc636"
  },
  "execution_count": "null",
  "outputs": [
    {
      "output_type": "execute_result",
      "data": {
        "text/plain": [
          "array([[7.6820000e+03, 1.5633608e+07, 2.5900000e+02, ...,
2.0000000e+00,\n",
          "        [1.0000000e+00, 1.0000000e+00],\n",
          "        [9.0320000e+03, 1.5742323e+07, 1.6400000e+02, ...,
2.0000000e+00,\n",
          "        [1.0000000e+00, 0.0000000e+00],\n",
          "        [3.6920000e+03, 1.5760244e+07, 1.3040000e+03, ...,
1.0000000e+00,\n",
          "        [0.0000000e+00, 1.0000000e+00],\n",
          "        ..., \n",
          "        [3.2650000e+03, 1.5574372e+07, 1.2020000e+03, ...,
2.0000000e+00,\n",
          "        [1.0000000e+00, 0.0000000e+00],\n",
          "        [9.8460000e+03, 1.5664035e+07, 2.1220000e+03, ...,
2.0000000e+00,\n",
          "        [1.0000000e+00, 1.0000000e+00],\n",
          "        [2.7330000e+03, 1.5592816e+07, 2.6780000e+03, ...,
1.0000000e+00,\n",
          "        [1.0000000e+00, 0.0000000e+00]])"
        ]
      },
      "metadata": {},
      "execution_count": 24
    }
  ]
},
{
  "cell_type": "code",
  "source": [
    "xtest"
  ],
  "metadata": {
    "colab": {
      "base_uri": "https://localhost:8080/"
    },
    "id": "KJ_QFNAiWV6V",
    "outputId": "ad3e963c-b846-49b3-b9de-1d04cec62adb"
  },
  "execution_count": "null",
  "outputs": [

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```

    {
      "output_type": "execute_result",
      "data": {
        "text/plain": [
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1.0000000e+00,\n",
          "          1.0000000e+00, 1.0000000e+00],\n",
          "          [8.9900000e+02, 1.5654700e+07, 8.4600000e+02, ...,
1.0000000e+00,\n",
          "          1.0000000e+00, 0.0000000e+00],\n",
          "          [2.3990000e+03, 1.5633877e+07, 1.8570000e+03, ...,
1.0000000e+00,\n",
          "          1.0000000e+00, 1.0000000e+00],\n",
          "          ..., \n",
          "          [9.3080000e+03, 1.5680405e+07, 2.0890000e+03, ...,
2.0000000e+00,\n",
          "          1.0000000e+00, 1.0000000e+00],\n",
          "          [8.3950000e+03, 1.5597983e+07, 3.3600000e+02, ...,
1.0000000e+00,\n",
          "          1.0000000e+00, 1.0000000e+00],\n",
          "          [5.2340000e+03, 1.5591286e+07, 2.4530000e+03, ...,
1.0000000e+00,\n",
          "          1.0000000e+00, 1.0000000e+00]])"
        ]
      },
      "metadata": {},
      "execution_count": 25
    }
  ],
  {
    "cell_type": "code",
    "source": [
      "ytest"
    ],
    "metadata": {
      "colab": {
        "base_uri": "https://localhost:8080/"
      },
      "id": "7mGyI5JSWzVS",
      "outputId": "65d6f3a7-e12d-42be-dbd8-ac093775d296"
    },
    "execution_count": "null",
    "outputs": [
      {
        "output_type": "execute_result",
        "data": {
          "text/plain": [
            "array([[1.9285267e+05, 0.0000000e+00],\n",
            "       [1.2870210e+05, 1.0000000e+00],\n",
            "       [7.5732250e+04, 0.0000000e+00],\n",
            "       ..., \n",
            "       [1.6740029e+05, 0.0000000e+00],\n",
            "       [7.0849470e+04, 0.0000000e+00],\n",
            "       [3.3759410e+04, 1.0000000e+00]])"
          ]
        },
        "metadata": {},
        "execution_count": 26
      }
    ]
  }

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```

    }
  ]
},
{
  "cell_type": "code",
  "source": [
    "ytrain"
  ],
  "metadata": {
    "colab": {
      "base_uri": "https://localhost:8080/"
    },
    "id": "HSM2IcWRWfxm",
    "outputId": "c7588d22-a74d-4cd8-ce9e-45812b721bc0"
  },
  "execution_count": "null",
  "outputs": [
    {
      "output_type": "execute_result",
      "data": {
        "text/plain": [
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          "       [1.9823020e+04, 0.0000000e+00],\n",
          "       [1.3848580e+04, 0.0000000e+00],\n",
          "       ..., \n",
          "       [1.8142987e+05, 0.0000000e+00],\n",
          "       [1.4875016e+05, 0.0000000e+00],\n",
          "       [1.1885526e+05, 1.0000000e+00]])"
        ]
      },
      "metadata": {},
      "execution_count": 27
    }
  ]
},
{
  "cell_type": "code",
  "source": [],
  "metadata": {
    "id": "2ZDND8rPWlLJ"
  },
  "execution_count": "null",
  "outputs": []
}
]
}

```