

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vogesh Kumar>pip install numpy
Defaulting to user installation because normal site-packages is not writeable
Collecting numpy
  Downloading numpy-1.23.4-cp310-cp310-win_amd64.whl (14.6 MB)
    ----- 14.6/14.6 MB 10.1 MB/s eta 0:00:00
Installing collected packages: numpy
  WARNING: The script f2py.exe is installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed numpy-1.23.4

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Vogesh Kumar>pip install tensorflow
Defaulting to user installation because normal site-packages is not writeable
Collecting tensorflow
  Downloading tensorflow-2.10.0-cp310-cp310-win_amd64.whl (455.9 MB)
    ----- 455.9/455.9 MB 828.5 kB/s eta 0:00:00
Collecting google-pasta>=0.1.1
  Downloading google_pasta-0.2.0-py3-none-any.whl (57 kB)
    ----- 57.5/57.5 kB ? eta 0:00:00
Collecting gast<0.4.0,>=0.2.1
  Downloading gast-0.4.0-py3-none-any.whl (9.8 kB)
Collecting six>=1.12.0
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting packaging
  Downloading packaging-21.3-py3-none-any.whl (40 kB)
    ----- 40.0/40.0 kB 1.9 MB/s eta 0:00:00
Requirement already satisfied: setuptools in c:\program files\python310\lib\site-packages (from tensorflow) (58.1.0)
Collecting typing-extensions>=3.6.6
  Downloading typing_extensions-4.4.0-py3-none-any.whl (26 kB)
Collecting keras-preprocessing>=1.1.1
  Downloading Keras_Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
    ----- 42.6/42.6 kB 1.0 MB/s eta 0:00:00
Collecting wrapt>=1.11.0
  Downloading wrapt-1.14.1-cp310-cp310-win_amd64.whl (35 kB)
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
Collecting tensorflow-io-gcs-filesystem>=0.23.1
  Downloading tensorflow_io_gcs_filesystem-0.27.0-cp310-cp310-win_amd64.whl (1.5 MB)
    ----- 1.5/1.5 MB 4.5 MB/s eta 0:00:00
Requirement already satisfied: numpy>=1.20 in c:\users\vogesh kumar\appdata\roaming\python\python310\site-packages (from tensorflow) (1.23.4)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    ----- 438.7/438.7 kB 3.4 MB/s eta 0:00:00
Collecting absl-py>=1.0.0
  Downloading absl_py-1.3.0-py3-none-any.whl (124 kB)
    ----- 124.6/124.6 kB 7.6 MB/s eta 0:00:00
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
    ----- 5.9/5.9 MB 4.9 MB/s eta 0:00:00
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C:\WINDOWS\system32\cmd.exe
Successfully installed numpy-1.23.4

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Vogesh Kumar>pip install tensorflow
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Collecting tensorflow
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  Downloading gast-0.4.0-py3-none-any.whl (9.8 kB)
Collecting six>=1.12.0
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting packaging
  Downloading packaging-21.3-py3-none-any.whl (40 kB)
    ----- 40.0/40.0 kB 1.9 MB/s eta 0:00:00
Requirement already satisfied: setuptools in c:\program files\python310\lib\site-packages (from tensorflow) (58.1.0)
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  Downloading Keras_Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
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  Downloading wrapt-1.14.1-cp310-cp310-win_amd64.whl (35 kB)
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
Collecting tensorflow-io-gcs-filesystem>=0.23.1
  Downloading tensorflow_io_gcs_filesystem-0.27.0-cp310-cp310-win_amd64.whl (1.5 MB)
    ----- 1.5/1.5 MB 4.5 MB/s eta 0:00:00
Requirement already satisfied: numpy>=1.20 in c:\users\vogesh kumar\appdata\roaming\python\python310\site-packages (from tensorflow) (1.23.4)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    ----- 438.7/438.7 kB 3.4 MB/s eta 0:00:00
Collecting absl-py>=1.0.0
  Downloading absl_py-1.3.0-py3-none-any.whl (124 kB)
    ----- 124.6/124.6 kB 7.6 MB/s eta 0:00:00
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
    ----- 5.9/5.9 MB 4.9 MB/s eta 0:00:00
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C:\WINDOWS\system32\cmd.exe
----- 42.6/42.6 kB 1.0 MB/s eta 0:00:00
Collecting wrapt>=1.11.0
  Downloading wrapt-1.14.1-cp310-cp310-win_amd64.whl (35 kB)
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
Collecting tensorflow-io-gcs-filesystem<0.23.1
  Downloading tensorflow_io_gcs_filesystem-0.27.0-cp310-cp310-win_amd64.whl (1.5 MB)
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Requirement already satisfied: numpy>=1.20 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from tensorflow) (1.23.4)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
----- 438.7/438.7 kB 3.4 MB/s eta 0:00:00
Collecting absl-py>=1.0.0
  Downloading absl_py-1.3.0-py3-none-any.whl (124 kB)
----- 124.0/124.6 kB 7.6 MB/s eta 0:00:00
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
----- 5.9/5.9 MB 4.9 MB/s eta 0:00:00
Collecting astunparse>=1.6.0
  Downloading astunparse-1.6.3-py2.py3-none-any.whl (12 kB)
Collecting keras<2.11,>=2.10.0
  Downloading keras-2.10.0-py2.py3-none-any.whl (1.7 MB)
----- 1.7/1.7 MB 5.3 MB/s eta 0:00:00
Collecting grpcio<2.0,>=1.24.3
  Downloading grpcio-1.50.0-cp310-cp310-win_amd64.whl (3.6 MB)
----- 3.6/3.6 MB 4.6 MB/s eta 0:00:00
Collecting libclang>=13.0.0
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
----- 14.2/14.2 MB 5.7 MB/s eta 0:00:00
Collecting protobuf<3.20,>=3.9.2
  Downloading protobuf-3.19.6-cp310-cp310-win_amd64.whl (895 kB)
----- 895.7/895.7 kB 8.1 MB/s eta 0:00:00
Collecting termcolor>=1.1.0
  Downloading termcolor-2.1.0-py3-none-any.whl (5.8 kB)
Collecting opt-einsum>=2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
----- 65.5/65.5 kB ? eta 0:00:00
Collecting h5py>=2.9.0
  Downloading h5py-3.7.0-cp310-cp310-win_amd64.whl (2.6 MB)
----- 2.6/2.6 MB 6.2 MB/s eta 0:00:00
Collecting wheel<1.0,>=0.23.0
  Downloading wheel-0.38.3-py3-none-any.whl (36 kB)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.28.1)
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C:\WINDOWS\system32\cmd.exe
Collecting h5py>=2.9.0
  Downloading h5py-3.7.0-cp310-cp310-win_amd64.whl (2.6 MB)
----- 2.6/2.6 MB 6.2 MB/s eta 0:00:00
Collecting wheel<1.0,>=0.23.0
  Downloading wheel-0.38.3-py3-none-any.whl (36 kB)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.28.1)
Collecting markdown>=2.6.8
  Downloading Markdown-3.4.1-py3-none-any.whl (93 kB)
----- 93.3/93.3 kB 2.7 MB/s eta 0:00:00
Collecting google-auth-oauthlib<0.5,>=0.4.1
  Downloading google_auth_oauthlib-0.4.6-py2.py3-none-any.whl (18 kB)
Requirement already satisfied: werkzeug>=1.0.1 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.2.2)
Collecting tensorboard-plugin-wit>=1.6.0
  Downloading tensorboard_plugin_wit-1.8.1-py3-none-any.whl (781 kB)
----- 781.3/781.3 kB 8.2 MB/s eta 0:00:00
Collecting google-auth<3,>=1.6.3
  Downloading google_auth-2.14.1-py2.py3-none-any.whl (175 kB)
----- 175.4/175.4 kB 10.3 MB/s eta 0:00:00
Collecting tensorboard-data-server<0.7.0,>=0.6.0
  Downloading tensorboard_data_server-0.6.1-py3-none-any.whl (2.4 kB)
Collecting pyparsing!=3.0.5,>=2.0.2
  Downloading pyparsing-3.0.9-py3-none-any.whl (98 kB)
----- 98.3/98.3 kB 5.9 MB/s eta 0:00:00
Collecting cachetools<6.0,>=2.0.0
  Downloading cachetools-5.2.0-py3-none-any.whl (9.3 kB)
Collecting rsa<5,>=3.1.4
  Downloading rsa-4.9-py3-none-any.whl (34 kB)
Collecting pyasn1-modules>=0.2.1
  Downloading pyasn1_modules-0.2.8-py2.py3-none-any.whl (155 kB)
----- 155.3/155.3 kB 4.5 MB/s eta 0:00:00
Collecting requests-oauthlib>=0.7.0
  Downloading requests_oauthlib-1.3.1-py2.py3-none-any.whl (23 kB)
Requirement already satisfied: idna<4,>=2.5 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.4)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.1.1)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.26.12)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2022.9.14)
Requirement already satisfied: MarkupSafe>=2.1.1 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from werkzeug>=1.0.1->tensorboard<2.11,>=2.10->tensorflow) (2.0.1)
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C:\WINDOWS\system32\cmd.exe
gRPCio-1.50.0 h5py-3.7.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 markdown-3.4.1 oauthlib-3.2.2 opt-einsum-3.3.0 packaging-21.3 protobuf-3.19.6 pyasn1-0.4.8 pyasn1-modules-0.2.8 pyparsing-3.0.9 requests-oauthlib-1.3.1 rsa-4.9 six-1.16.0 tensorboard-2.10.1 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.0 tensorflow-estimator-2.10.0 tensorflow-io-gcs-filesystem-0.27.0 termcolor-2.1.0 typing-extensions-4.4.0 wheel-0.38.3 wrapt-1.14.1

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Vogesh Kumar>
C:\Users\Vogesh Kumar>
C:\Users\Vogesh Kumar> python.exe -m pip install --upgrade pip
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: pip in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (22.2.2)
Collecting pip
  Downloading pip-22.3.1-py3-none-any.whl (2.1 MB)
    ----- 2.1/2.1 MB 8.7 MB/s eta 0:00:00
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 22.2.2
    Uninstalling pip-22.2.2:
      Successfully uninstalled pip-22.2.2
  WARNING: The scripts pip.exe, pip3.exe and pip3.exe are installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed pip-22.3.1

C:\Users\Vogesh Kumar>pip install keras
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: keras in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (2.10.0)

C:\Users\Vogesh Kumar>keras --2.9
'keras' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Vogesh Kumar>
C:\Users\Vogesh Kumar>
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C:\WINDOWS\system32\cmd.exe
Collecting requests-oauthlib==0.7.0
  Downloading requests_oauthlib-1.3.1-py2.py3-none-any.whl (23 kB)
Requirement already satisfied: idna<4,>=2.5 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (3.4)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.1.1)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.26.12)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2022.9.14)
Requirement already satisfied: MarkupSafe>=2.1.1 in c:\users\yogesh kumar\appdata\roaming\python\python310\site-packages (from werkzeug>=1.0.1->tensorboard<2.11,>=2.10->tensorflow) (2.1.1)
Collecting pyasn1<0.5.0,>=0.4.6
  Downloading pyasn1-0.4.8-py2.py3-none-any.whl (77 kB)
    ----- 77.1/77.1 kB 2.1 MB/s eta 0:00:00
Collecting oauthlib==3.2.2
  Downloading oauthlib-3.2.2-py3-none-any.whl (151 kB)
    ----- 151.7/151.7 kB 4.6 MB/s eta 0:00:00
Installing collected packages: tensorboard-plugin-wit, pyasn1, libclang, keras, flatbuffers, wrapt, wheel, typing-extensions, termcolor, tensorflow-io-gcs-filesystem, tensorflow-estimator, tensorboard-data-server, six, rsa, pyparsing, pyasn1-modules, protobuf, opt-einsum, oauthlib, markdown, h5py, gast, cachetools, absl-py, requests-oauthlib, packaging, keras-preprocessing, gRPCio, google-pasta, google-auth, astunparse, google-auth-oauthlib, tensorboard, tensorflow
WARNING: The script wheel.exe is installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts pyrsa-decrypt.exe, pyrsa-encrypt.exe, pyrsa-keygen.exe, pyrsa-priv2pub.exe, pyrsa-sign.exe and pyrsa-verify.exe are installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The script markdown_py.exe is installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The script google-oauthlib-tool.exe is installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The script tensorboard.exe is installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts estimator_kpt_converter.exe, import_pb_to_tensorboard.exe, saved_model_cli.exe, tensorboard.exe, tf_upgrade_v2.exe, tflite_convert.exe, toco.exe and toco_from_protos.exe are installed in 'C:\Users\Vogesh Kumar\AppData\Roaming\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed absl-py-1.3.0 astunparse-1.6.3 cachetools-5.2.0 flatbuffers-22.10.26 gast-0.4.0 google-auth-2.14.1 google-auth-oauthlib-0.4.6 google-pasta-0.2.0 gRPCio-1.50.0 h5py-3.7.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 markdown-3.4.1 oauthlib-3.2.2 opt-einsum-3.3.0 packaging-21.3 protobuf-3.19.6 pyasn1-0.4.8 pyasn1-modules-0.2.8 pyparsing-3.0.9 requests-oauthlib-1.3.1 rsa-4.9 six-1.16.0 tensorboard-2.10.1 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.0 tensorflow-estimator-2.10.0 tensorflow-io-gcs-filesystem-0.27.0 termcolor-2.1.0 typing-extensions-4.4.0 wheel-0.38.3 wrapt-1.14.1

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