```
import numpy as np
import pandas as pd
list=[[1,'Smith',50000],[2,'Jones',60000]]

df=pd.DataFrame(list)
df
```

```
   0      1      2
0  1  Smith  50000
1  2  Jones  60000
```

```
df.columns=['Empd','Name','Salary']
df
```

```
   Empd   Name  Salary
0     1  Smith   50000
1     2  Jones   60000
```

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2 entries, 0 to 1
Data columns (total 3 columns):
 #   Column  Non-Null Count  Dtype
---  ------  --------------  -----
 0   Empd    2 non-null      int64
 1   Name    2 non-null      object
 2   Salary  2 non-null      int64
dtypes: int64(2), object(1)
memory usage: 176.0+ bytes
```

```
df=pd.read_csv("50_Startups.csv")
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 50 entries, 0 to 49
Data columns (total 5 columns):
 #   Column           Non-Null Count  Dtype
---  ------           --------------  -----
 0   R&D Spend        50 non-null     float64
 1   Administration   50 non-null     float64
 2   Marketing Spend  50 non-null     float64
 3   State            50 non-null     object
 4   Profit           50 non-null     float64
dtypes: float64(4), object(1)
memory usage: 2.1+ KB
```

```
df.head()
```

```
   R&D Spend  Administration  Marketing Spend       State     Profit
0  165349.20       136897.80        471784.10    New York  192261.83
```

```
1  162597.70       151377.59        443898.53  California  191792.06
2  153441.51       101145.55        407934.54     Florida  191050.39
3  144372.41       118671.85        383199.62    New York  182901.99
4  142107.34        91391.77        366168.42     Florida  166187.94
```

```
df.tail()
```

```
    R&D Spend  Administration  Marketing Spend       State    Profit
45    1000.23       124153.04          1903.93    New York  64926.08
46    1315.46       115816.21        297114.46     Florida  49490.75
47       0.00       135426.92             0.00  California  42559.73
48     542.05        51743.15             0.00    New York  35673.41
49       0.00       116983.80         45173.06  California  14681.40
```

```
import numpy as np
import pandas as pd
df=pd.read_csv("employee.csv")
```

```
---------------------------------------------------------------------------
-----
FileNotFoundError                         Traceback (most recent call
last)
~\AppData\Local\Temp\ipykernel_42792\3506309008.py in <module>
      1 import numpy as np
      2 import pandas as pd
----> 3 df=pd.read_csv("employee.csv")

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\util\_decorators.py in wrapper(*args, **kwargs)
    309                     stacklevel=stacklevel,
    310                 )
--> 311             return func(*args, **kwargs)
    312
    313         return wrapper

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\io\parsers\readers.py in read_csv(filepath_or_buffer,
sep, delimiter, header, names, index_col, usecols, squeeze, prefix,
mangle_dupe_cols, dtype, engine, converters, true_values,
false_values, skipinitialspace, skiprows, skipfooter, nrows,
na_values, keep_default_na, na_filter, verbose, skip_blank_lines,
parse_dates, infer_datetime_format, keep_date_col, date_parser,
dayfirst, cache_dates, iterator, chunksize, compression, thousands,
decimal, lineterminator, quotechar, quoting, doublequote, escapechar,
comment, encoding, encoding_errors, dialect, error_bad_lines,
warn_bad_lines, on_bad_lines, delim_whitespace, low_memory,
memory_map, float_precision, storage_options)
    584     kwds.update(kwds_defaults)
    585
--> 586     return _read(filepath_or_buffer, kwds)
```

```
    587
    588

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\io\parsers\readers.py in _read(filepath_or_buffer,
kwds)
    480
    481     # Create the parser.
--> 482     parser = TextFileReader(filepath_or_buffer, **kwds)
    483
    484     if chunksize or iterator:

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\io\parsers\readers.py in __init__(self, f, engine,
**kwds)
    809             self.options["has_index_names"] =
kwds["has_index_names"]
    810
--> 811         self._engine = self._make_engine(self.engine)
    812
    813     def close(self):

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\io\parsers\readers.py in _make_engine(self, engine)
   1038             )
   1039         # error: Too many arguments for "ParserBase"
-> 1040         return mapping[engine](self.f, **self.options)  #
type: ignore[call-arg]
   1041
   1042     def _failover_to_python(self):

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\io\parsers\c_parser_wrapper.py in __init__(self, src,
**kwds)
     49
     50         # open handles
---> 51         self._open_handles(src, kwds)
     52         assert self.handles is not None
     53

c:\users\asus\appdata\local\programs\python\python37\lib\site-
packages\pandas\io\parsers\base_parser.py in _open_handles(self, src,
kwds)
    227             memory_map=kwds.get("memory_map", False),
    228             storage_options=kwds.get("storage_options", None),
--> 229             errors=kwds.get("encoding_errors", "strict"),
    230         )
    231

c:\users\asus\appdata\local\programs\python\python37\lib\site-
```

```
packages\pandas\io\common.py in get_handle(path_or_buf, mode,
encoding, compression, memory_map, is_text, errors, storage_options)
    705                 encoding=ioargs.encoding,
    706                 errors=errors,
--> 707                 newline="",
    708             )
    709         else:

FileNotFoundError: [Errno 2] No such file or directory: 'employee.csv'
```