In [1]:

```
import pandas as pd

df = pd.read_csv (r'P:\\DBZ_data.csv')
print (df)
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
<ipython-input-1-702f419b1672> in <module>
      1 import pandas as pd
      2
----> 3 df = pd.read_csv (r'Documents\DBZ_data.csv')
      4 print (df)

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\parsers.py in r
ead_csv(filepath_or_buffer, sep, delimiter, header, names, index_col, usecols, squee
ze, prefix, mangle_dupe_cols, dtype, engine, converters, true_values, false_values,
 skipinitialspace, skiprows, skipfooter, nrows, na_values, keep_default_na, na_filte
r, verbose, skip_blank_lines, parse_dates, infer_datetime_format, keep_date_col, dat
e_parser, dayfirst, cache_dates, iterator, chunksize, compression, thousands, decima
l, lineterminator, quotechar, quoting, doublequote, escapechar, comment, encoding, d
ialect, error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map, f
loat_precision, storage_options)
    608     kwds.update(kwds_defaults)
    609
--> 610     return _read(filepath_or_buffer, kwds)
    611
    612

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\parsers.py in _
read(filepath_or_buffer, kwds)
    460
    461     # Create the parser.
--> 462     parser = TextFileReader(filepath_or_buffer, **kwds)
    463
    464     if chunksize or iterator:

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\parsers.py in _
_init__(self, f, engine, **kwds)
    817             self.options["has_index_names"] = kwds["has_index_names"]
    818
--> 819         self._engine = self._make_engine(self.engine)
    820
    821     def close(self):

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\parsers.py in _
make_engine(self, engine)
   1048             )
   1049         # error: Too many arguments for "ParserBase"
-> 1050         return mapping[engine](self.f, **self.options)  # type: ignore[call-
arg]
   1051
   1052     def _failover_to_python(self):

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\parsers.py in _
_init__(self, src, **kwds)
   1865
   1866         # open handles
-> 1867         self._open_handles(src, kwds)
   1868         assert self.handles is not None
   1869         for key in ("storage_options", "encoding", "memory_map", "compressio
n"):

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\parsers.py in _
open_handles(self, src, kwds)
   1360         Let the readers open IOHanldes after they are done with their potent
ial raises.
```

```
   1361         """
-> 1362         self.handles = get_handle(
   1363             src,
   1364             "r",

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\io\common.py in get_handle(path_or_buf, mode, encoding, compression, memory_map, is_text, errors, storage_options)
    640                 errors = "replace"
    641             # Encoding
--> 642             handle = open(
    643                 handle,
    644                 ioargs.mode,

FileNotFoundError: [Errno 2] No such file or directory: 'Documents\\DBZ_data.csv'
```

In [2]:

```
import pandas as pd

df = pd.read_csv (r'P:\\DBZ_data.csv')
print (df)
```

```
   index characters                powers      species        master
0      1       Goku          Kame-hame-ha       Saiyan  Master Roshi
1      2     Vegeta  Super Gallick Cannon       Saiyan     No Master
2      3     Trunks         Buster Cannon  Half Saiyan  Future Gohan
3      4      Gohan   Ultimate Kamehameha  Half Saiyan      Piccollo
4      5     Kirlin        Distructo Disk        Human  Master Roshi
```

In [3]:

```
pd.dtypes
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
<ipython-input-3-e1a06aa61ba0> in <module>
----> 1 pd.dtypes

~\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\__init__.py in __getattr__(name)
    242         return _SparseArray
    243
--> 244     raise AttributeError(f"module 'pandas' has no attribute '{name}'")
    245
    246

AttributeError: module 'pandas' has no attribute 'dtypes'
```

In [4]:

```
df.dtypes
```

Out[4]:

```
index          int64
characters    object
powers        object
species       object
master        object
dtype: object
```

In [5]:

```
df['HP'] = [1000, 1000, 800, 900, 600]
df
```

Out[5]:

	index	characters	powers	species	master	HP
0	1	Goku	Kame-hame-ha	Saiyan	Master Roshi	1000
1	2	Vegeta	Super Gallick Cannon	Saiyan	No Master	1000
2	3	Trunks	Buster Cannon	Half Saiyan	Future Gohan	800

	index	characters	powers	species	master	HP
3	4	Gohan	Ultimate Kamehameha	Half Saiyan	Piccollo	900
4	5	Kirlin	Distructo Disk	Human	Master Roshi	600

In [6]:
```
df = df[['index', 'characters', 'HP', 'powers', 'species', 'master']]
```

In [7]:
```
df
```

Out[7]:

	index	characters	HP	powers	species	master
0	1	Goku	1000	Kame-hame-ha	Saiyan	Master Roshi
1	2	Vegeta	1000	Super Gallick Cannon	Saiyan	No Master
2	3	Trunks	800	Buster Cannon	Half Saiyan	Future Gohan
3	4	Gohan	900	Ultimate Kamehameha	Half Saiyan	Piccollo
4	5	Kirlin	600	Distructo Disk	Human	Master Roshi

In [8]:
```
ds = pd.Series(df.items())
ds
```

Out[8]:
```
0                            (index, [1, 2, 3, 4, 5])
1    (characters, [Goku, Vegeta, Trunks, Gohan, Kir...
2                   (HP, [1000, 1000, 800, 900, 600])
3    (powers, [Kame-hame-ha, Super Gallick Cannon, ...
4    (species, [Saiyan, Saiyan, Half Saiyan, Half S...
5    (master, [Master Roshi, No Master, Future Goha...
dtype: object
```

In [9]:
```
ds[0]
ds[1]
ds[3]
```

Out[9]:
```
('powers',
 0            Kame-hame-ha
 1    Super Gallick Cannon
 2           Buster Cannon
 3     Ultimate Kamehameha
 4          Distructo Disk
 Name: powers, dtype: object)
```

In [10]:
```
ds[0]
```

Out[10]:
```
('index',
 0    1
 1    2
 2    3
 3    4
 4    5
 Name: index, dtype: int64)
```

In [11]:
```
ds[1]
```

Out[11]:
```
('characters',
 0      Goku
```

```
1    Vegeta
2    Trunks
3     Gohan
4    Kirlin
Name: characters, dtype: object)
```

In [12]:
```
ds[4]
```

Out[12]:
```
('species',
0         Saiyan
1         Saiyan
2    Half Saiyan
3    Half Saiyan
4          Human
Name: species, dtype: object)
```

In [ ]: