In [1]:
```
#Q1) To find area of circle
r=float(input("Enter the radius of circle:"))
area=(22/7)*r*r
print("area of circle is",area)
```

```
Enter the radius of circle:3
area of circle is 28.285714285714285
```

In [2]:
```
#Q2)To reverse the name and surname
str1 = input("Enter your first and last name ")
s1= str1.split(" ")
s1.reverse()
k= " ".join(s1)
print(k)
```

```
Enter your first and last name amol wadekar
wadekar amol
```

In [3]:
```
#Q3)To check given number is even or odd
num = int(input("Enter a number: "))
if (num % 2) == 0:
   print("It is  even number")
else:
   print("It is  odd number")
```

```
Enter a number: 3
It is  odd number
```

In [9]:
```
#Q4)To arrange given six no. into decending order
print("Enter input six integers:")
nums = list(map(int, input().split()))
nums.sort()
nums.reverse()
print("After sorting the said ntegers:")
print(*nums)
```

```
Enter input six integers:
1 2 3 4 7 5
After sorting the said ntegers:
7 5 4 3 2 1
```

In [5]:
```
#Q5)To convert fareinheit to celsius and vice versa
temp = input("Input the  temperature you like to convert? (e.g., 45F, 102C etc.)
degree = int(temp[:-1])
i_convention = temp[-1]

if i_convention.upper() == "C":
  result = int(round((9 * degree) / 5 + 32))
  o_convention = "Fahrenheit"
elif i_convention.upper() == "F":
  result = int(round((degree - 32) * 5 / 9))
  o_convention = "Celsius"
else:
  print("Input proper convention.")
  quit()
print("The temperature in", o_convention, "is", result, "degrees.")
```

```
Input the  temperature you like to convert? (e.g., 45F, 102C etc.) : 45F
The temperature in Celsius is 7 degrees.
```

In [6]:
```
#Q6)to find given Pattern
n=5;
for i in range(n+1):
    for j in range(i):
        print ('* ', end="")
    print('')
```

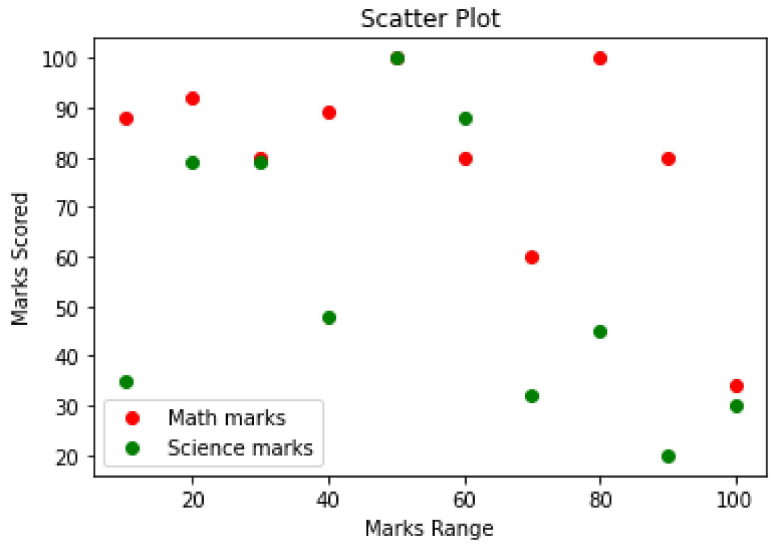
```
*
* *
* * *
* * * *
* * * * *
```

In [19]:
```
#Q7)
import matplotlib.pyplot as plt
import pandas as pd
df = pd.read_csv('C:/Users/Admin/OneDrive/Desktop/finalpaper.csv', sep=',', parse
df.plot()
plt.show()
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_19660/510046868.py in <module>
      2 import matplotlib.pyplot as plt
      3 import pandas as pd
----> 4 df = pd.read_csv('C:/Users/Admin/OneDrive/Desktop/finalpaper.csv', sep=
',', parse_dates=True, index_col=0)
      5 df.plot()
      6 plt.show()

D:\Anaconda\lib\site-packages\pandas\util\_decorators.py in wrapper(*args, **kw
args)
    309                     stacklevel=stacklevel,
    310                 )
--> 311             return func(*args, **kwargs)
    312
    313         return wrapper

D:\Anaconda\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, skipini
tialspace, 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, thousand
s, decimal, lineterminator, quotechar, quoting, doublequote, escapechar, commen
t, encoding, encoding_errors, dialect, error_bad_lines, warn_bad_lines, on_bad_
lines, delim_whitespace, low_memory, memory_map, float_precision, storage_optio
ns)
    584     kwds.update(kwds_defaults)
    585
--> 586     return _read(filepath_or_buffer, kwds)
    587
    588

D:\Anaconda\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:

D:\Anaconda\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):
```

```
D:\Anaconda\lib\site-packages\pandas\io\parsers\readers.py in _make_engine(sel
f, 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):

D:\Anaconda\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

D:\Anaconda\lib\site-packages\pandas\io\parsers\base_parser.py in _open_handles
(self, src, kwds)
    220         Let the readers open IOHandles after they are done with their p
otential raises.
    221         """
--> 222         self.handles = get_handle(
    223             src,
    224             "r",

D:\Anaconda\lib\site-packages\pandas\io\common.py in get_handle(path_or_buf, mo
de, encoding, compression, memory_map, is_text, errors, storage_options)
    700         if ioargs.encoding and "b" not in ioargs.mode:
    701             # Encoding
--> 702             handle = open(
    703                 handle,
    704                 ioargs.mode,

FileNotFoundError: [Errno 2] No such file or directory: 'C:/Users/Admin/OneDriv
e/Desktop/finalpaper.csv'
```

In [8]:
```
#Q-8)
import matplotlib.pyplot as plt
import pandas as pd
math_marks = [88, 92, 80, 89, 100, 80, 60, 100, 80, 34]
science_marks = [35, 79, 79, 48, 100, 88, 32, 45, 20, 30]
marks_range = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]
plt.scatter(marks_range, math_marks, label='Math marks', color='r')
plt.scatter(marks_range, science_marks, label='Science marks', color='g')
plt.title('Scatter Plot')
plt.xlabel('Marks Range')
plt.ylabel('Marks Scored')
plt.legend()
plt.show()
```



In [ ]:
```

```