Heading 1

heading 2

heading 3

heading 4

heading 5

heading 6

Type *Markdown* and LaTeX: α^2

Bold

Italic

Bold and Italic

In [2]:

```
* Normal text*
  * sublist1
  * sublist2
  * sublist3
```

```
  File "<ipython-input-2-b7bcfc2d7f19>", line 1
    * Normal text*
                  ^
SyntaxError: invalid syntax
```

In [1]:

```
< img scr ="C:\Users\SONIA\Desktop\New folder\appsdc.jpg"
```

```
  File "<ipython-input-1-21f1de6e1f9b>", line 1
    < img scr ="C:\Users\SONIA\Desktop\New folder\appsdc.jpg"
    ^
SyntaxError: invalid syntax
```

In [2]:

```
"C:\Users\SONIA\Desktop\New folder\appsdc.jpg"
```

```
  File "<ipython-input-2-be5415ed553c>", line 1
    "C:\Users\SONIA\Desktop\New folder\appsdc.jpg"
    ^
SyntaxError: (unicode error) 'unicodeescape' codec can't decode bytes in pos
ition 2-3: truncated \UXXXXXXXX escape
```

Comments in python

1. single line comment
2. multi line comment

In [9]:

```
# single line comment

"""
multi
line
comment

"""
print("helloworld")
```

```
  File "<ipython-input-9-d86075c03a88>", line 8
    """

^
SyntaxError: EOL while scanning string literal
```

In [7]:

```
# single line comment

"""
multi
line
comment

"""

print("helloworld")
```

```
helloworld
```

In [11]:

```
print(10 * "sonia")
```

```
soniasoniasoniasoniasoniasoniasoniasoniasoniasonia
```

In [12]:

```
print("sonia\n"*10)
```

```
sonia
sonia
sonia
sonia
sonia
sonia
sonia
sonia
sonia
sonia
```

In [13]:

```
print("sonia\t"*10)
```

```
sonia	sonia	sonia	sonia	sonia	sonia	sonia	sonia	sonia	soni
a
```

variables

- a python variable is a reversed memory location to store variables

In [14]:

```
a = 56
print(a) # prints the value of a what we assign  the variable
print("a 12.0") # wahtever there in quotes it will be print it is string
```

```
56
a 12.0
```

In [15]:

```
a =23 # single variable  assesment
print(a)
```

```
23
```

In [16]:

```
a ="appsdc"
print(a)
```

```
appsdc
```

In [19]:

```
a ,b ,c = 12,34,56 # multiple variable assignment
print(a,b,c)
print("*****88888888")
print(a,"\n", b,"\n",c)

```

```
12 34 56
*****88888888
12
 34
 56
```

python keyword

- keywords are reversed words in python we can't use a keyword as a variable name ,function name or anyother identifier

In [21]:

```
import keyword
print(keyword.kwlist)
```

```
['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'await', 'break',
'class', 'continue', 'def', 'del', 'elif', 'else', 'except', 'finally', 'fo
r', 'from', 'global', 'if', 'import', 'in', 'is', 'lambda', 'nonlocal', 'no
t', 'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']
```

In [22]:

```
l = keyword.kwlist
print(len(l))
```

```
35
```

In [ ]:

```

```