

# String Formatting

In [1]:

```
name='Sandhya'
print(f'This book is all about {name}')
```

This book is all about Sandhya

In [3]:

```
print("This book is all about %s" %name)
```

This book is all about Sandhya

In [4]:

```
value=100
print("The Value is %d"%value)
```

The Value is 100

In [7]:

```
print("This book is all about %s and it costs %d"%(name,value))
```

This book is all about Sandhya and it costs 100

In [11]:

```
list=[1,2,3,'sandhya']
print("This is my list %s"%(list))
```

This is my list [1, 2, 3, 'sandhya']

In [13]:

```
print>> "This is Sandhya" ## this will not give an error in python2
```

```
-----
-
TypeError                                Traceback (most recent call las
t)
<ipython-input-13-bceb146f8b04> in <module>
----> 1 print>> "This is Sandhya"
```

**TypeError:** unsupported operand type(s) for >>: 'builtin\_function\_or\_metho  
d' and 'str'. Did you mean "print(<message>, file=<output\_stream>)"?

In [16]:

```
fnum=45.9009009900
print("Floating point number is %.2f"%(fnum)) ## %.<number of digits after decimal>
```

Floating point number is 45.90

**You need to write a format string which prints out the data using the following syntax: Hello John Doe. Your current balance is \$53.44**

```
data = ("John","Doe",53.44) format_string="Hello"
```

In [18]:

```
data = ("John","Doe",53.44)
format_string="Hello"
print(format_string, '%s %s. Your current balance is $%.2f'%data)
```

Hello John Doe. Your current balance is \$53.44

In [22]:

```
print('{0},{1}'.format(10,20))## {0} and {1} are the index values
```

10,20

In [23]:

```
print('{1},{0}'.format(10,20))
```

20,10

In [25]:

```
print('{},{0}'.format("Sandhya",10)) ## It will work if we don't specify the index
```

Sandhya,10

In [26]:

```
print('{1},{0}'.format("Sandhya",10))
```

10,Sandhya

## Padding and Align Strings

In [37]:

```
value="Piniseti Prabhu Sandhya"
value1="Piniseti Hima Prasad"
print('%s , %30s'%(value1,value)) ## Gives some space before the value

## If the number specified is larger than the length of the string then
## it occupies space before the string
```

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In [40]:

```
print('{:>50}'.format(value))
```

Piniseti Prabhu Sandhya