**Creating Function: -**

* A function is a block of organized, reusable code that is used to perform a single, related action. Functions provide better modularity for your application and a high degree of code reusing.
* Function blocks begin with the keyword **def** followed by the function name and parentheses ( ( ) ).

**Syntax**

def functionname( parameters ):

"function\_docstring"

function\_suite

return [expression]

**Example**

def printme( str ):

"This prints a passed string into this function"

print str

return

* **Function used in surround code: -**

|  |
| --- |
| def init\_stages(self): |
|  | for stage in self.surround\_stages: |
|  | stage.init\_stage(self.config) |

* **Function used in Example: -**

def operate(self, surround\_data, config):

self.dta = surround\_data

file\_path = config.get\_path("surround.path")

with open(file\_path, 'r') as csvfile:

# csvFileReader allows us to iterate over every row in our csv file

csvFileReader = csv.reader(csvfile)

next(csvFileReader) # skipping column names

for row in csvFileReader:

surround\_data.dates.append(int(row[0].split('-')[0])) # Only gets day of the month which is at index 0

surround\_data.prices.append(float(row[1])) # Convert to float for more precision

self.predict\_price(surround\_data.dates, surround\_data.prices, 6)