

```
def shownumber():  
    print(num)
```

```
num = 100  
shownumber()
```

100

shownumber

print(num)

The diagram illustrates the execution of the `shownumber()` function. A green arrow points from the label `shownumber` to a grey box containing `print(num)`. A blue arrow originates from the `shownumber()` call in the code block and points to the grey box. A red arrow originates from the bottom of the grey box and points back to the `shownumber()` call, representing the return path.

global variable

```
def shownumber():  
    print(num)
```

```
num = 100  
shownumber()
```

100

```
num = 9390018934  
shownumber()
```

9390018934

global variable re-definition

local variable

```
def displaynumber():  
    number = 100  
    print(number)
```

```
displaynumber()
```

100

```
def displaynumber():  
    number = 9390018934  
    print(number)
```

```
displaynumber()
```

9390018934

displaynumber
function re-definition

```
def printnumber(value):  
    print(value)
```

Parameter Variable

(to supply data dynamically
to a Parameter Variable
while calling a function)

```
printnumber(100)
```

argument

100

```
printnumber(9390018934)
```

argument

9390018934

```
def square(value):  
    result = value ** 2  
    return result
```

argument

```
x = square(10)  
print('square value is :', x)
```

```
square value is : 100
```

square(10)

```
result = value ** 2  
return result
```

```
def addition(a,b):  
    result = a + b  
    return result
```

addition(a,b)

result = a + b
return result

```
print('sum = ', addition(10,15))
```

sum = 25

```
def employee_details():
    l = []
    while True:
        d = {}
        name = input('Please enter name : ')
        id = input('Please enter employee id : ')
        salary = float(input('Please enter salary : '))
        d['name'] = name
        d['id'] = id
        d['salary'] = salary
        l.append(d)
        s = input('Do you want to continue (y/n) ? : ')
        if s in 'yY':
            continue
        else:
            for employee in l:
                for key,value in employee.items():
                    print(key,value,sep=' : ')
            break
```

employee_details()

employee details

```
l = []
while True:
    d = {}
    name = input('Please enter name : ')
    id = input('Please enter employee id : ')
    salary = float(input('Please enter salary : '))
    d['name'] = name
    d['id'] = id
    d['salary'] = salary
    l.append(d)
    s = input('Do you want to continue (y/n) ? : ')
    if s in 'yY':
        continue
    else:
        for employee in l:
            for key,value in employee.items():
                print(key,value,sep=' : ')
            break
```

exit