Week 2 Set 9

Q1

Create a function showEmployee() in such a way that it should accept employee name, and it's salary and display both, and if the salary is missing in function call it should show it as 9000

In [1]:
```
def showEmployee(name, salary=9000):
    print('Employee name is: ' + name)
    print('Employee salary is: ' + str(salary))

showEmployee('Sudhi', 10000)
showEmployee('Prakki')
```

```
Employee name is: Sudhi
Employee salary is: 10000
Employee name is: Prakki
Employee salary is: 9000
```

Q2

Write a Python program to create a lambda function that adds 15 to a given number passed in as an argument, also create a lambda function that multiplies argument x with argument y and print the result

In [3]:
```
add15 = lambda a : a+15
multiply = lambda x,y : print(x*y)

print('Adding 15 to the number 17: ' + str(add15(17)))
print('Multiplying 7 with 9: ', end='')
multiply(7,9)
```

```
Adding 15 to the number 17: 32
Multiplying 7 with 9: 63
```

Q3

Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings

In [5]:
```
stringList = ['Sudhis', 'Prakki', 'Eeshu', 'Saach', 'Shivs', 'Timsu']

count = 0
for string in stringList:
    if len(string) >= 2 and string[0].lower() == string[-1].lower():
        count += 1
print(count)
```

```
2
```

Q4

Write a Python program to convert a tuple of string values to a tuple of integer values.

Original tuple values:
(('333', '33'), ('1416', '55'))

New tuple values:
((333, 33), (1416, 55))

In [15]:
```
originalTuple = (('333', '33'), ('1416', '55'))
newTuple = tuple((tuple(int(num) for num in subTup)) for subTup in originalTuple)
print(newTuple)
```

```
((333, 33), (1416, 55))
```

Q5

Write a Python program to print all unique values in a dictionary.

Sample Data: [{"V":"S001"}, {"V": "S002"}, {"VI": "S001"}, {"VI": "S005"}, {"VII":"S005"}, {"V":"S009"}, {"VIII":"S007"}]

Expected Output: Unique Values: {'S005', 'S002', 'S007', 'S001', 'S009'}

In [20]:
```
dic = [{"V":"S001"}, {"V": "S002"}, {"VI": "S001"}, {"VI": "S005"}, {"VII":"S005"}, {"V":"S009"}, {"VIII":"S007"}]
values = [list(d.values())[0] for d in dic]

uniqueVals = []
for val in values:
    if val not in uniqueVals:
        uniqueVals.append(val)

print('Unique values are: ')
print(uniqueVals)
```

```
Unique values are:
['S001', 'S002', 'S005', 'S009', 'S007']
```