```
def my_fun(x):
  print('my function')
  return lambda a:a+x
b=my_fun(5)
```

```
my function
```

```
b(2)
```

```
7
```

```
def my_fun(x):
  print('my function')
  return lambda :x*x
b=my_fun(5)
b()
```

```
my function
25
```

```
m=2
n=5
x=lambda :m*n
x()
```

```
10
```

```
s='sahiti'
d={'sahiti':[i for i in s]}
for key,value in d.items():
  print(key,' : ',*value)
```

```
sahiti  :  s a h i t i
```

```
l=['hi','hello']
d={i:[j for j in i] for i in l}
print(d)
```

```
{'hi': ['h', 'i'], 'hello': ['h', 'e', 'l', 'l', 'o']}
```

```
dic=lambda :{i:[j for j in i] for i in l}
dic()
```

```
{'hi': ['h', 'i'], 'hello': ['h', 'e', 'l', 'l', 'o']}
```

```
s='abcdef'
result=lambda :[s[i].upper() if i%2==0 else s[i].lower() for i in range(0,len(s))]
result()
```

```
['A', 'b', 'C', 'd', 'E', 'f']
```

```
l1=[('maths',60),('science',90),('english',50),('social',70)]
l2=[]
l3=[]
for i in l1:
  for j in i:
    if isinstance(j,int)==True:
      l2.append(j)
else:
  l2.sort()
  for i in l2:
    for j in range(len(l1)):
      if i in l1[j]:
        l3.append(l1[j])
        break
print(l3)
```

```
[('english', 50), ('maths', 60), ('social', 70), ('science', 90)]
```

```
l1.sort(key = lambda x:x[1])
print(l1)
```

```
[('english', 50), ('maths', 60), ('social', 70), ('science', 90)]
```

```
l4=[('maths',60),('science',90),('english',50),('social',70)]
new_l=[i[1] for i in l4]
new_l.sort()
new_l1=[[l4[j] for j in range(len(l4)) if i in l4[j]] for i in new_l]
print(new_l1)
```

```
[[('english', 50)], [('maths', 60)], [('social', 70)], [('science', 90)]]
```

```
test=[[j for j in s[:i+1]] for i in range(len(s))]
print(test)
```

```
[['a'], ['a', 'b'], ['a', 'b', 'c'], ['a', 'b', 'c', 'd'], ['a', 'b', 'c', 'd', 'e'], ['a', 'b', 'c', 'd', 'e', 'f']]
```

```
test1=lambda :[[j for j in s[:i+1]] for i in range(len(s))]
test1()
```

```
[['a'],
 ['a', 'b'],
 ['a', 'b', 'c'],
 ['a', 'b', 'c', 'd'],
 ['a', 'b', 'c', 'd', 'e'],
 ['a', 'b', 'c', 'd', 'e', 'f']]
```

```
def test(a,b):
  return a,b
x=map(test,('appple','mango'),('lemon','orange'))
print(x)
for i in x:
  print(i)
```

```
<map object at 0x7f5ceefb9130>
('appple', 'lemon')
('mango', 'orange')
```

```
result=map(lambda x:x[: :-1],[input('enter data:').split(' ')])
for i in result:
  print(i)
```

```
enter data:python django java css
['css', 'java', 'django', 'python']
```

✓ 24s completed at 5:20 PM