```python
#1
SkillSanta_Dict = {
    "name": "Sachin",
    "age": 22,
    "Salary": 60000,
    "city": "New Delhi"
}
SkillSanta_Dict['location'] = SkillSanta_Dict.pop('city')
print(SkillSanta_Dict)
```

```
#2
list = [11, 45, 8, 11, 23, 45, 89]
print("Original List =", list)
count = dict()
for item in list:
    if(item in count):
        count[item] += 1
    else:
        count[item] = 1

print("Printing count of each item :",count)
```

```python
#3
samplelist = [87, 45, 41, 65, 94, 41, 99, 94]
print("Original List = ", samplelist)
samplelist = list(set(samplelist))
print("Unique Items = ", samplelist)
tuple = tuple(samplelist)
print("tuple", tuple)
print("Max : ", max(tuple))
print("Min : ", min(tuple))
```

```python
#4.

def showEmployee(name, salary = 50000):
    print("Employee", name, "Salary is:", salary)
showEmployee("Eddy", 50000)
showEmployee("Eddy")
```

```
#5

def outerFuntn(a, b):
    square = a**2
    def innerFunctn(a,b):
        return a+b
    add = innerFunctn(a, b)
    return add+5
sum = outerFuntn(10, 10)
print(sum)
```

```
#6

def fibr(n):
    if n <= 1:
        return n
    return fibr(n-1)+fibr(n-2)
n = int(input("Enter number of terms :"))
print("Fibonacci Sequence :")
for i in range(n):
    print(fibr(i))
```

```python
#7

def displayStudent(name, age):
    print(name, age)
displayStudent("Krithika", 22)

showStudent = displayStudent
showStudent("Krithika", 22)
```

```python
#8
import re
x = True
while x:
    try:
        num = int(input("Enter your mobile number : "))
        if (len(num)<10 or len(num)>10):
            break
        elif not re.pattern("(0/9)?[7-9][0-9]{9}")
            break
        else:
            print("Valid mobile number")
            break
    except valueError:
        print("provide valid mobile number")
        continue
```

```python
#9
def string_test(s):
    count = {"UPPER_CASE": 0, "LOWER_CASE": 0}
    for case in s:
        if case.isupper():
            count["UPPER_CASE"] += 1
        elif case.islower():
            count["LOWER_CASE"] += 1
        else:
            pass
    print("Original String : ", s)
    print("No of Uppercase Characters : ", count["UPPER_CASE"])
    print("No of Lowercase Characters : ", count["LOWER_CASE"])

string_test('The quick Brown Fox')
```

```python
#10

def number(n):
    sum = 0
    for i in range(1,n):
        if n%i == 0:
            sum += i
    return sum

n = int(input("Enter number :"))
print(number(n))
if n == number(n):
    print("perfect number")
else:
    print("not a perfect number")
```