제시된 코드의 실행결과를 예상해 보세요

```
class Person(object):
    def __init__(self, name):
        self.name = name
    def language(self):
        pass

class Earthling(Person):
    def language(self, language):
        return language

class Groot(Person):
    def language(self, language):
        return "I'm Groot!"

name = ['Jejudo', 'Dr.Strange', 'Groot']
country = ['Korea', 'USA', 'Galaxy']
language = ['Korean', 'English', 'Groot']

for idx, name in enumerate(name):
    if country[idx].upper() != 'GALAXY':
        person = Earthling(name)
        print(person.language(language[idx]))

    else:
        groot = Groot(name)
        print(groot.language(language[idx]))
```

```
class SoccerPlayer(object):
    def __init__(self, name, position, back_number):
        self.name = name
        self.position = position
        self.back_number = back_number

    def change_back_number(self, back_number):
        self.back_number = back_number

jinhyun = SoccerPlayer("jinhyun", "MF", 10)
print("현재 선수의 등번호는:", jinhyun.back_number)
jinhyun.change_back_number(5)
print("현재 선수의 등번호는:", jinhyun.back_number)
```

```
class Marvel(object):
    def __init__(self, name, characteristic):
        self.name = name
        self.characteristic = characteristic
    def __str__(self):
        return "My name is {0} and my weapon is {1}.".format(self.name, self.characteristic)

class Villain(Marvel):
    pass

first_villain = Villain("Thanos", "infinity gauntlet")
print(first_villain)
```

```
class TV(object):
    def __init__(self, size, year, company):
        self.size = size
        self.year = year
        self.company = company
    def describe(self):
        print(self.company + "에서 만든 " + self.year + "년형 " + self.size + "인치" + "TV")

class Laptop(TV):
    def describe(self):
        print(self.company + "에서 만든 " + self.year + "년형 " + self.size + "인치 " + "노트북")

LG_TV = TV("32", "2019", "LG")
LG_TV.describe()

samsung_microwave = Laptop("15" , "2018", "Samsung")
samsung_microwave.describe()
```

```
class Person:
    def __init__(self, name, age, position):
        self.Name = name
        self.Age = age
        self.Position = position
    def show_info(self):
        print('이름 : {}'.format(self.Name))
        print('나이 : {}'.format(self.Age))
        print('직위 : {}'.format(self.Position))
        print("저는 한국대학교 연구소 {0} {1}입니다. 나이는 {2}입니다.".format(self.Position, self.Name, self.Age))

class Researcher(Person):
    def __init__(self, name, age, position, degree):
        Person.__init__(self,name, age, position)
        self.Degree = degree
    def show_info(self):
        Person.show_info(self)
        print("저는 {} 입니다.".format(self.Degree))

if __name__ == '__main__':
    researcher_john = Researcher("John","22", "연구원", "학사")
    researcher_tedd = Researcher("Tedd", "40", "소장", "박사")
    researcher_john.show_info()
    print("="*50)
    researcher_tedd.show_info()
```

```
class Score:
    def __init__(self,student):
        tmp = student.split(",")
        self.name = tmp[0]
        self.midterm = int(tmp[1])
        self.final = int(tmp[2])
        self.assignment = int(tmp[3])
        self.score = None
        self.grade = None

    def total_score(self):
        test_score = ((self.midterm + self.final)/2)*0.8

        if self.assignment>=3:
            assign_score = 20
        elif self.assignment>=2:
            assign_score = 10
```

```
        elif self.assignment>=1:
            assign_score = 5
        else:
            assign_score = 0

        self.score = test_score + assign_score

    def total_grade(self):
        if self.assignment==0:
            grade = "F"
        elif self.score >=90:
            grade = "A"
        elif self.score >=70:
            grade = "B"
        elif self.score >=60:
            grade = "C"

        else:
            grade = "F"

        self.grade = grade
        return grade

student_john = Score("john,90,90,0")
aa = student_john.total_score()
bb = student_john.total_grade()
print(aa,bb,student_john.score,student_john.grade)
```

```
class IceCream(object):
    def __init__(self, flavor):
        self.flavor = flavor
    def change_flavor(self, new_flavor):
        print('아이스크림을 %s에서 %s로 변경해주세요.' %(self.flavor, new_flavor))
        self.flavor = new_flavor
        print('아이스크림 맛을 %s로 변경해드렸어요.' %self.flavor)

ice_cream = IceCream('레인보우 샤베트')
ice_cream.change_flavor('바람과 함께 사라지다')
```

```
class Terran(object):
    def __init__(self, mineral):
        self.scv = 4
        self.marine = 0
        self.medic = 0
        self.mineral = mineral
    def command(self, SCV=False):
        self.mineral += 8*self.scv
        if SCV:
            self.scv += 1
            self.mineral -= 10
    def barrack(self, Marine=False, Medic=False):
        self.mineral += 8*self.scv
        if Marine:
            self.marine += 1
            self.mineral -= 15
        if Medic:
            self.medic += 1
            self.mineral -= 25
    def check_source(self):
        print("Mineral: "+str(self.mineral))

User = Terran(50)
User.command(True)
User.barrack(True,True)
User.check_source()
```