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CPE12S1

## MIDTERM EXAM

A.

<https://onlinegdb.com/S6EB-d4fd>

```
class Pokemon:
    __name = None
    __type = None
    def __init__(self,name,type):
        self.__name=name
        self.__type=type

    def tackle(self):
        print(self.__name,"tackles its opponent")

    def setName(self,name):
        self.__name=name

    def setType(self,type):
        self.__type=type

    def getName(self):
        return self.__name

    def getType(self):
        return self.__type

class Charmander(Pokemon):
    def fireSpin(self):
        print(self.getName(),"uses fire spin")
P1 = Charmander("Default","Default")
print("\n")
P1.setName("Charmander")
P1.setType("Fire Type")
print(P1.getName())
print(P1.getType())
P1.tackle()
P1.fireSpin()

class Squirtle(Pokemon):
    def waterGun(self):
        print(self.getName(),"uses water gun")
P2 = Squirtle("Default","Default")
print("\n")
P2.setName("Squirtle")
P2.setType("Water Type")
print(P2.getName())
print(P2.getType())
P2.tackle()
P2.waterGun()
```

```
class Pikachu(Pokemon):
    def thunderShock(self):
        print(self.getName(),"uses thunder shock")
P3 = Pikachu("Default","Default")
print("\n")
P3.setName("Pikachu")
P3.setType("Electric Type")
print(P3.getName())
print(P3.getType())
P3.tackle()
P3.thunderShock()
```

Charmander  
Fire Type  
Charmander tackles its opponent  
Charmander uses fire spin

Squirtle  
Water Type  
Squirtle tackles its opponent  
Squirtle uses water gun

Pikachu  
Electric Type  
Pikachu tackles its opponent  
Pikachu uses thunder shock

B.

<https://onlinegdb.com/X6-XF6pV>

```
mylist = [400,500]
mylist.remove(500)
mylist.append(1000)
print(mylist)
mylist.insert(0,800)
print(mylist)
mylist.append(5000)
print(mylist)
mylist.insert(2,6000)
print(mylist)
```

[400, 1000]

[800, 400, 1000]

[800, 400, 1000, 5000]

[800, 400, 6000, 1000, 5000]

"I affirm that I will not give or receive any unauthorized help on this exam, and that all work will be my own."