Hannizel, Dumangas

C204

Final Lab Task

Code Source:

```python
class Car:
    def __init__(self, color:str, price:float, size:str):
        self.__color = color
        self.__price = price
        self.__size = size.upper()

    def get_color(self) -> str:
        return self.__color

    def get_price(self) -> float:
        return self.__price

    def get_size(self) -> str:
        return self.__size
    def set_color(self, color: str) -> None:
        self.__color = color

    def set_price(self, price: float) -> None:
        self.__price = price

    def set_size(self, size: str) -> None:
        self.__size = size.upper()

    def __str__(self) -> str:
        size_desc = {"S":"small","M":"medium","L":"large"}.get(self.__size,"Unknown")
        return f"car({self.__color})-{self.__price}-{self.__size}"
```

```python
from Car import Car

def main():
    c1 = Car( color: "Red",   price: 19999.85,  size: "M")
    c2 = Car( color: "Blue",  price: 50000.00,  size: "L")
    c3 = Car( color: "Green",  price: 12345.67,  size: "S")

    print("\nAction:Invoking the Car class constructor using Car(Red, 19999.85, M)")
    print("Output:")
    print(c1)


if __name__ == '__main__':
    main()
```

Sample Output 1:

```
Action:Invoking the Car class constructor using Car(Red, 19999.85, M)
Output:
car(Red)-19999.85-M

Process finished with exit code 0
```

Sample Output 2:

```
Action:Invoking the Car class constructor using Car(Red, 19999.85, M)
Output:
car(Blue)-50000.0-L
```

Sample Output 3:

```
Action:Invoking the Car class constructor using Car(Red, 19999.85, M)
Output:
car(Green)-12345.67-S
```