

[C1113-OO-EX Car][TahrehGholami-401114037180030]

class car:

```
def __init__(self,color, model):
```

کلاس خودرو تعریف کردیم بصورت یه قالب و متغیرهای رنگ و مدل را

```
self.color = color
```

با عبارت self به آن نسبت دادیم

```
self.model = model
```

در قسمت بعد object تعریف می کنیم و به متغیرها مقدار و عبارت

```
pride = car("gray", 141)
```

نسبت می دهیم تا اطلاعات دقیق تر و واضح تر شود.

```
print(pride.color)
```

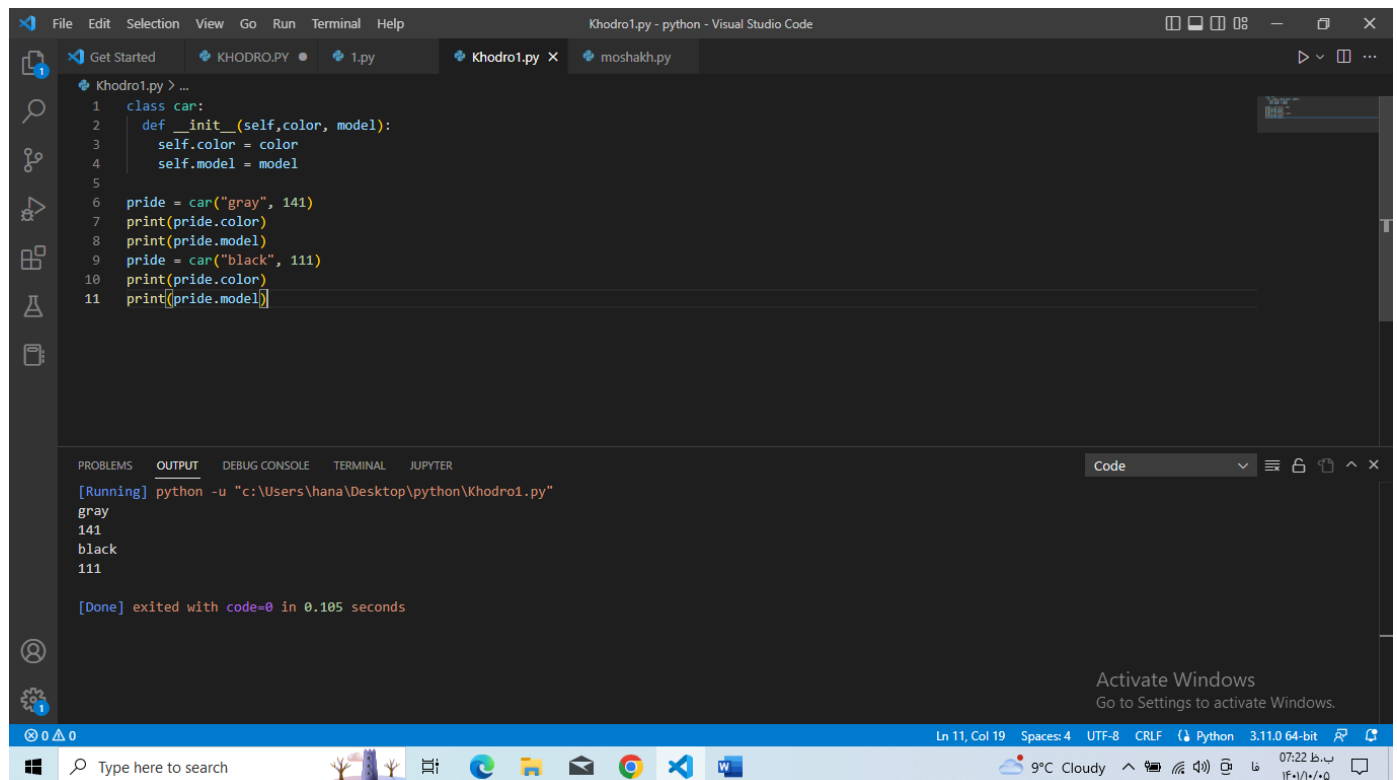
```
print(pride.model)
```

در مرحله آخر با دستور print اطلاعات خواسته شده را چاپ می گیریم.

```
pride = car("black", 111)
```

```
print(pride.color)
```

```
print(pride.model)
```



The screenshot shows a Visual Studio Code window with a Python file named 'Khodro1.py'. The code defines a 'car' class with an '__init__' method that takes 'color' and 'model' as arguments. It then creates two instances of the class: 'pride' with 'gray' color and '141' model, and another 'pride' with 'black' color and '111' model. The code prints the color and model for each instance. The output window at the bottom shows the execution results: 'gray', '141', 'black', and '111'. The status bar at the bottom indicates the file is at line 11, column 19, and the Python version is 3.11.0 64-bit.

```
File Edit Selection View Go Run Terminal Help
Khodro1.py - python - Visual Studio Code

Get Started KHODRO.PY 1.py Khodro1.py moshakh.py

class car:
    def __init__(self,color, model):
        self.color = color
        self.model = model

pride = car("gray", 141)
print(pride.color)
print(pride.model)
pride = car("black", 111)
print(pride.color)
print(pride.model)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

[Running] python -u "c:\Users\hana\Desktop\python\Khodro1.py"

gray
141
black
111

[Done] exited with code=0 in 0.105 seconds

Activate Windows
Go to Settings to activate Windows.

Ln 11, Col 19 Spaces: 4 UTF-8 CRLF Python 3.11.0 64-bit

Type here to search 9°C Cloudy 07:22 14/10/05

class car:

```
def __init__(self,type,color,  
speed,wheel):
```

```
    self.type = type
```

```
    self.color= color
```

```
    self.speed = speed
```

```
    self.wheel = wheel
```

```
car1 = car ("pejo","gray", 180,4)
```

کلاس خودرو تعریف کردیم بصورت به قالب و متغیرهای رنگ و مدل را

با عبارت **self** به آن نسبت دادیم

در قسمت بعد **object** تعریف می کنیم و به متغیرها مقدار و عبارت

نسبت می دهیم تا اطلاعات دقیق تر و واضح تر شود.

در مرحله بعد یک متد تعریف می کنیم به این شکل که با دستور

میخواهیم اگر سرعت خودرو مساوی یا کمتر از 180 بود پرینت

کند **is good**

```
def car_class(self):
```

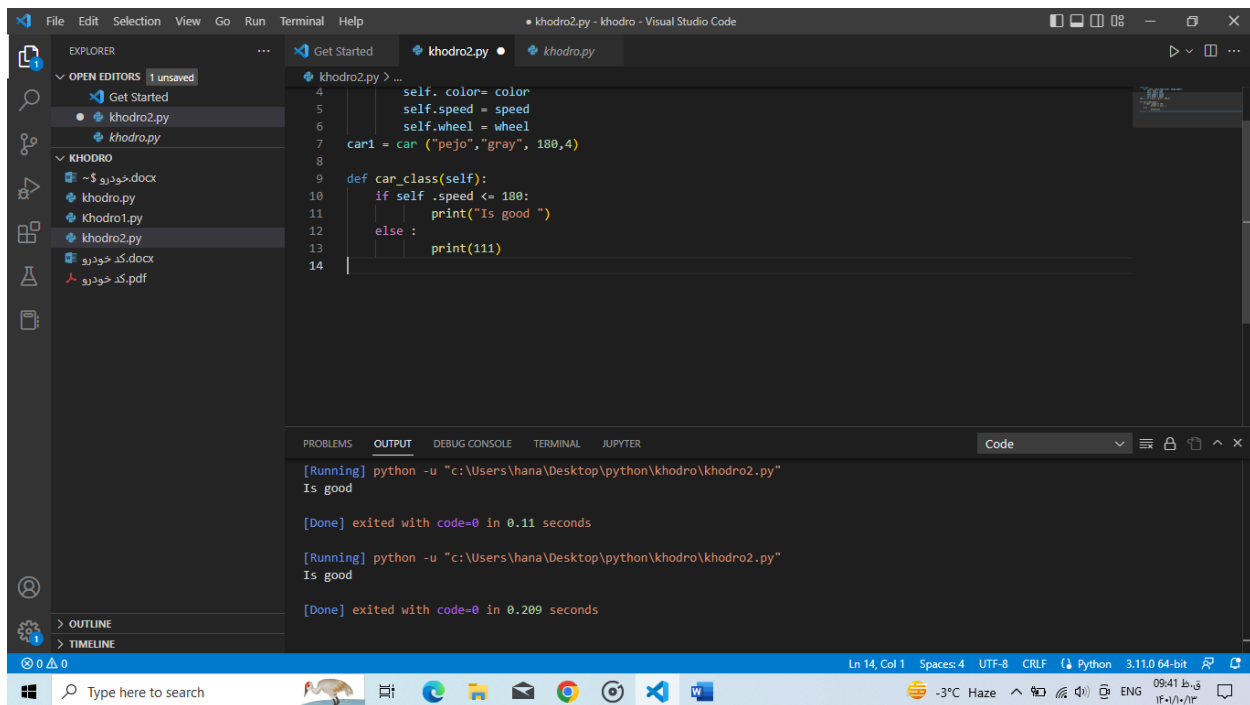
```
    if self .speed <= 180:
```

```
        print("Is good ")
```

```
    else :
```

```
        print(111)
```

در مرحله آخر با دستور **print** اطلاعات خواسته شده را چاپ می گیریم.



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing files like 'Get Started', 'khodro2.py', and 'khodro.py'. The main editor displays the Python code from the previous blocks. The bottom panel shows the 'OUTPUT' window with the following text:

```
[Running] python -u "c:\Users\hana\Desktop\python\khodro\khodro2.py"  
Is good  
  
[Done] exited with code=0 in 0.11 seconds  
  
[Running] python -u "c:\Users\hana\Desktop\python\khodro\khodro2.py"  
Is good  
  
[Done] exited with code=0 in 0.209 seconds
```

class Car:

```
def __init__(self,n,p):
```

```
    self.name = n
```

```
    self.price = p
```

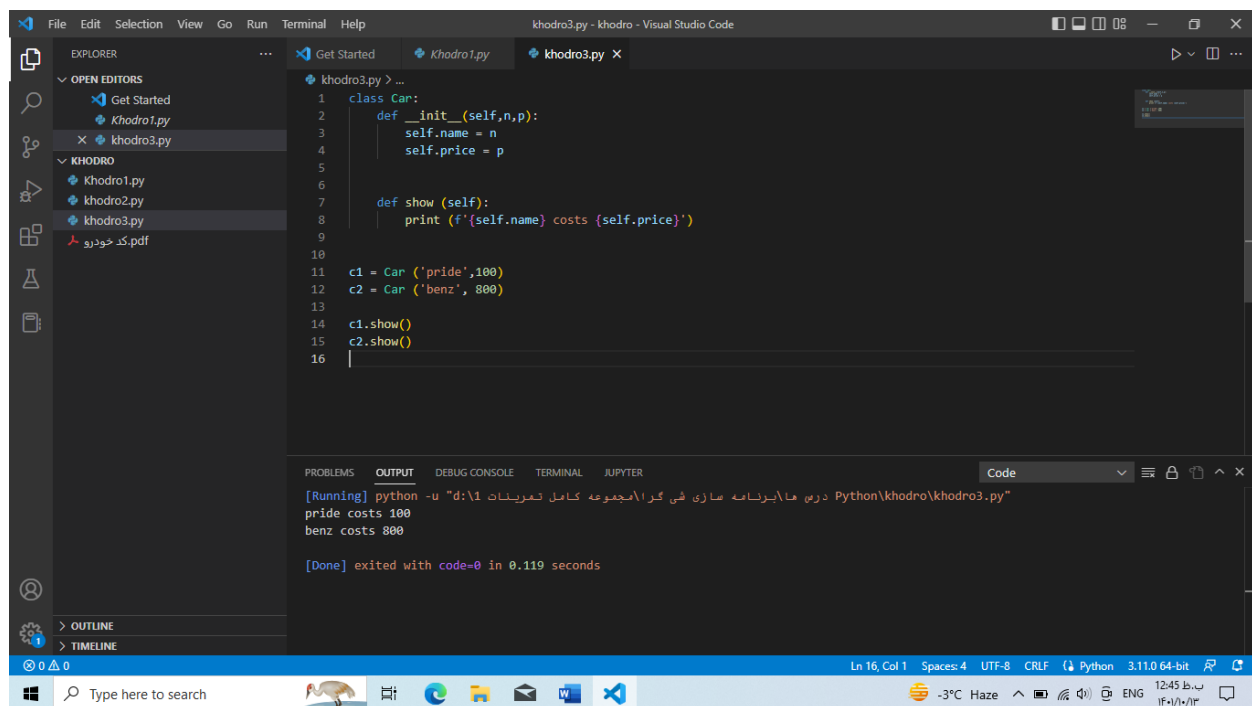
```
def show (self):
```

```
    print (f'{self.name} costs {self.price}')
```

```
c1 = Car ('pride',100)
```

```
c2 = Car ('benz', 800)
```

```
c1.show()
```



The screenshot shows the Visual Studio Code interface with a Python file named `khodro3.py` open. The code defines a `Car` class with an `__init__` method and a `show` method. It then creates two instances, `c1` (pride, 100) and `c2` (benz, 800), and calls `c1.show()` and `c2.show()`. The output window at the bottom shows the execution results: `pride costs 100` and `benz costs 800`. The status bar at the bottom indicates the file is at line 16, column 1, with 4 spaces, using UTF-8 encoding and CRLF line endings.

```
1 class Car:
2     def __init__(self,n,p):
3         self.name = n
4         self.price = p
5
6
7     def show (self):
8         print (f'{self.name} costs {self.price}')
```

```
10
11 c1 = Car ('pride',100)
12 c2 = Car ('benz', 800)
13
14 c1.show()
15 c2.show()
16
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

[Running] python -u "d:\1 مجموعه کامل تمرینات پایتون\Python\khodro\khodro3.py"

pride costs 100
benz costs 800

[Done] exited with code=0 in 0.119 seconds

Ln 16, Col 1 Spaces: 4 UTF-8 CRLF Python 3.11.0 64-bit