```python
In [12]: class human:
    def __init__(self,n,o,a):
        self.name=n
        self.occupation=o
        self.age=a
    def work_people(self):
        if self.occupation=='student':
            print(self.name,'is a student')
        elif self.occupation=='data scientist':
            print(self.name,'is a data scientist')
        elif self.occupation=='business':
            print(self.name,'is a business man!')
    def speaks(self):
        print(self.age,'oohhh this is my age')
```

```python
In [13]: rag=human("raghul","student",22)
rag.work_people()
rag.speaks()
```

```
raghul is a student
22 oohhh this is my age
```

```python
In [14]: pp=human("pp",'business',32)
pp.work_people()
pp.speaks()
```

```
pp is a business man!
32 oohhh this is my age
```

```python
In [16]: gow=human("gowtham",'data scientist',23)
gow.work_people()
gow.speaks()
```

```
gowtham is a data scientist
23 oohhh this is my age
```

```python
In [51]: class transport:
    def general_usage(self):
        print("general usage:used for transportation")

class car(transport):
    def __init__(self,n,t):
        self.name=n
        self.typeofcar=t
    def name_car(self):
        if self.name=="alto":
            print("it sis maruthi car")
        elif self.name=='benz':
            print('it is merchedes benz')
        elif self.name=='seltos':
            print('it is kia')
    def car_type(self):
        if self.typeofcar=='highend':
            print(self.name,'it is a high end car')
        elif self.typeofcar=='lowend car':
            print(self.name,'it is  a low end car')
class motorcyles(transport):
    def __init__(self,s,l):
        self.name=s
        self.typeofbike=l
    def motar_name(self):
        if self.name=='duke':
            print(self.name,'is ktm bike')
        elif self.name=='r15':
            print(self.name,'is s yahama')
    def type_bike(self):
        if self.typeofbike=='superbike':
            print(self.typeofbike,'!!!!!goes with a high speed')
        elif self.typeofbike=='normalbike':
            print(self.typeofbike,'it is for a family usage')
```

```python
In [52]: cars=car('alto','lowend car')
cars.general_usage()
cars.name_car()
cars.car_type()
```

```
general usage:used for transportation
it sis maruthi car
alto it is  a low end car
```

```python
In [55]: bike=motorcyles('duke','superbike')
bike.motar_name()
bike.type_bike()
```

```
duke is ktm bike
superbike !!!!!goes with a high speed
```

```python
In [56]: print(isinstance(bike,car))
```

```
False
```

```python
In [57]: print(isinstance(bike,motorcyles))
```

```
True
```

```python
In [59]: print(issubclass(motorcyles,transport))
```

```
True
```

```python
In [60]: print(issubclass(car,transport))
```

```
True
```

```python
In [61]: print(issubclass(car,motorcyles))
```

```
False
```

```python
In [ ]:
```