Write a simple Python class named student and display its type. Also, display the dict attribute keys and the value of the module attribute of the student class.

```
In [21]:
                                     class student:
                                                      def init (self, name, eid, cls):
                                                                    self.name=name
                                                                    self.eid=eid
                                                                    self.cls=cls
                                                      def greet(self):
                                                                      print("welcome to new academic year!!!", self.name)
                                      std1=student("divya",12,"Btech")
                                      print("id:",std1.eid)
                                      print("name:", std1.name)
                                      print("cls:",std1.cls)
                                      std1.greet()
                                      print(student. dict )
                                   id: 12
                                   name: divya
                                   cls: Btech
                                   welcome to new academic year!!! divya
                                  {'__module__': '__main__', '__init__': <function student.__init__ at 0x0000025FA71E2040>, 'greet': <function student.greet at 0x0000025FA71E20D0>, '__dict__': <attribute '__dict__' of 'student' objects>, '__weakref__': <attribute '__dict__': \text{Attribute '__dict__': \text{Attrib
```

Write a Python class to convert an integer to a roman numeral.

```
class integertoroman:
    def int to Roman(self, num):
       val = [
           1000, 900, 500, 400,
           100, 90, 50, 40,
           10, 9, 5, 4,
            "M", "CM", "D", "CD",
            "C", "XC", "L", "XL",
            "X", "IX", "V", "IV",
        roman num = ''
        i = 0
        while num > 0:
           for in range(num // val[i]):
              roman num += rom[i]
               num -= val[i]
           i += 1
        return roman num
print(integertoroman().int to Roman(1))
print(integertoroman().int to Roman(4000))
I
```

Write a Python class to convert a roman numeral to an integer.

Write a Python class to implement pow(x,n).

```
class power:
    def __init__(self,x,n):
        self.x=x
        self.n=n
        power_=x**n
        print("the power is:",power_)
    power1=power(int(input("enter the base")), int(input("enter the exponent")))

enter the base6
enter the exponent7
the power is: 279936
```

Write a Python class to reverse a string word by word.

```
class reverse:
    def __init__(self, string):
        self.string=string
        reverse_=string[len(string)::-1]
        print("the reverse is:", reverse_)
    reversel=reverse(input("enter the string"))

enter the stringEntertainment
```

- -

the reverse is: tnemniatretnE

100