In [ ]:

```
class grandfather:
    def __init__(self,a):
        super().__init__(b)
        self.x=a
class grandmother:
    def __init__(self,b):
        super().__init__(c)
        self.y=b
class father:
    def __init__(self,c):
        self.z=c
class child(grandfather,grandmother,father):
    def __init__(self,d):
        super().__init__(a)
        self.c=d
    def display(self):
        print(self.x,self.y,self.z,self.c)
a=str(input('a='))
b=str(input('b='))
c=str(input('c='))
d=str(input('d='))
obj=child(a,b,c,d)
obj.display()
```

In [11]:

```
class father():
    def __init__(self):
        print('hi')
    def fname(self):
        super().fname()
        print('father msg')
class mother():
    def __init__(self):
        print('hello')
    def fname(self):
        print('mother msg')
class child(father,mother):
    def __init__(self):
        print('hai')
    def fname(self):
        super().fname()
        print('child msg')
obj=child()
obj.fname()
```

```
hai
mother msg
father msg
child msg
```

In [12]:

```
class father():
    def __init__(self):
        super().__init__()
        print('hi')
    def fname(self):
        super().fname()
        print('father msg')
class mother():
    def __init__(self):
        print('hello')
    def fname(self):
        print('mother msg')
class child(father,mother):
```

```
    def __init__(self):
        super().__init__()
        print('hai')
    def fname(self):
        super().fname()
        print('child msg')
obj=child()
obj.fname()
```

```
hello
hi
hai
mother msg
father msg
child msg
```

In [21]:

```
class A:
    def __init__(self,a):
        self.a=a
class B(A):
    def __init__(self,a,b):
        super().__init__(a)
        self.b=b
    def display(self):
        self.c=self.a+self.b
        print(self.c)
obj=B(10,10)
obj.display()
```

```
20
```

In [ ]: