lab7 q1.py

```python
class A(object):
    def innn(self):
        print("in a")
class B(object):
    def innn(self):
        print("in b")
class X(A, B):
    def innn(self):
        print("in x")
class Y(B, A):
    def innn(self):
        print("in y")
class Z(X, Y):
    def innn(self):
        print("in z")
obj=z()
obj.innn()
```

lab7 q1 output:

```
"C:\Program Files\Python310\python.exe" "C:/Users/HAFIZ COMPUTER/Desktop/HASNAIN/OOP/lab7/lab7 q1.py"
Traceback (most recent call last):
  File "C:\Users\HAFIZ COMPUTER\Desktop\HASNAIN\OOP\lab7\lab7 q1.py", line 13, in <module>
    class Z(X, Y):
TypeError: Cannot create a consistent method resolution
order (MRO) for bases A, B
```

lab7 q2.py

```python
class A(object):
    def innn(self):
        print("in a")
class B(object):
    def innn(self):
        print("in b")
class X(A, B):
    def innn(self):
        print("in x")
class Y(A,B):
    def innn(self):
        print("in y")
class Z(X, Y):
    def innn(self):
        print("in z")
obj=Z()
obj.innn()
```

lab7 q2 output:

```
"C:\Program Files\Python310\python.exe" "C:/Users/HAFIZ COMPUTER/Desktop/HASNAIN/OOP/lab7/lab7 q2.py"
in z
```

```python
1    class A:
2        def func(self):
3            print("Class A")
4    class B:
5        def func(self):
6            print("class B")
7    class C(A,B):
8        def func(self):
9            print("class C")
10   class D(C,B):
11       def func(self):
12           print("class D")
13   obj=D()
14   print(D.mro())
```

```
"C:\Program Files\Python310\python.exe" "C:/Users/HAFIZ COMPUTER/Desktop/HASNAIN/OOP/lab7/lab7 q4.py"
[<class '__main__.D'>, <class '__main__.C'>, <class '__main__.A'>, <class '__main__.B'>, <class 'object'>]

Process finished with exit code 0
```

```python
16   class A:
17       def func(self):
18           print("class A")
19   class B(A):
20       def func(self):
21           print("class B")
22   class C(A,B):
23       def func(self):
24           print("class C")
25   obj1 = C()
26   print(C.mro())
```

```
"C:\Program Files\Python310\python.exe" "C:/Users/HAFIZ COMPUTER/Desktop/HASNAIN/OOP/lab7/lab7 q4.py"
Traceback (most recent call last):
  File "C:\Users\HAFIZ COMPUTER\Desktop\HASNAIN\OOP\lab7\lab7 q4.py", line 22, in <module>
    class C(A,B):
TypeError: Cannot create a consistent method resolution
order (MRO) for bases A, B
```