Exercise 1.5 :

Declaring non static variable same as struct type in stact it will create cycle because struct are value type.

And it will allowed in class type because classes are reference type the object will point to the heap.

Exercise 1.6 :

t1=100 and t2=570 for struct

t1=100 and t2=100 class

t2 of struct and t2 of class having a different values because

at the time of copying the variable of struct into another variable it will create copy of it and it will belong to the different location because it is value type that is stack based and doing the same thing with class both object will point to the same location because it is reference type that is heap based.

Exercise 1.7

Results :

Hello from C

Hello from B.NIM()

Hello from C

Hello from B.NIM()

Exercise 2.1 :

(d) Can you assign a value of type Pair<String,int> to a variable of type Pair<String,double>? Should this be allowed?

No

What are the values of those array elements you did not assign anything to?

Ans : if we don’t assign any value to the array of generic type then it will give following output

(, 0)