Alex Rogov, COSC121, Jan24/19

True = yes, False = no ….. saying this because you said you wanted the output

Q1) a) True, GoldenDelicious is a subclass of class that’s a subclass of Fruit

b) False, GoldenDelicious is not a subclass of Orange

c) True, GoldenDelicious is a subclass of Apple

d) True, GoldenDelicious is GoldenDelicious

e) False, GoldenDelicious is not a subclass of McIntosh

f) True, Orange is a class of Orange

g) True, Orange is a subclass of Fruit

h) False, Orange is not a subclass of Apple

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i) Yes, GoldenDelicious is a subclass of Apple and can invoke the method

j) No, Orange is a not subclass of Apple and can not invoke the method

k) No, GoldenDelicious is not a subclass of Orange and can not invoke the method

l) Yes, Orange is a subclass of Orange and can invoke the method

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m) Not legal - The type of Orange is not a parent of Apple

n) Not legal - The type McIntosh is not a parent of Apple

o) Legal - Apple is a parent of McIntosh

Q2) a)

**Console:**

I am a Fruit

I am an Apple

I am an Orange

I am a GoldenDelicious

I am an Apple

b) **Missing Code:**

((Apple)f2).saySomething("hehexd");

**Output:**

Apple says: hehexd

Apple says: hehexd

McIntosh says: hehexd

c)

No, the statement is not valid because the objects of apples is Apple. Orange is not a subclass or a class of Apple.