A

- B b
- ArrayList<C> cs
- int i

+C m(D d)
+D m()
+int getI()
+void setI(int b)
+ArrayList<C> getCs()
+void setCs(ArrayList<C> cs)

C

- float f

+void m()
+float getF()
+void setF(float f)

1..1 ———— 1..1

0..* cs

D

- boolean b

+B m()
+int m(F f)
+boolean isB()
+void setB(boolean b)

1..1

1..1

B

- int a
- int b
- ArrayList<E> es

+C m1(F f)
+int getA()
+void setA(int a)
+int getB()
+void setB(int b)
+ArrayList<E> getEs()
+void setEs(ArrayList<E> es)

b

1..1

1..1

1..1

F

- double d

+double getD()
+void setD(double d)

1..1

1..1

es

0..*

E

- String S

+E()
+E(String s)
+String getS()
+void setS(String S)

1..1

Navigator   easyUML Explorer ×

Start Page × User.properties × B.java × E.java × D.java × A.java × ec.edu.espe.theoretical.model 2021.06.11 21-08-36.cdg × SystemDisplay.ja

Source History

```
23          E e;
24
25          a = new A();
26          d = new D();
27          e = new E();
28
29          d = a.m();
30          System.out.println("d->" +d);
31          c = a.m(d);
32          System.out.println("c->" +c);
33
34          //a.i=10; //break encapsulation because i is private
35          a.setI(10);
36          System.out.println("object a attributes ->");
37          System.out.println("a.i ->" + a.getI());
38
39          System.out.println("object a attributes ->");
40          System.out.println("a.s ->" + e.getS());
41
42          String s = new String("Hello");
43          s= "Hello";
44
45          System.out.println("s" + s);
46
47          e = new E(s);
48          System.out.println("object a attributes ->");
49          System.out.println("e.s ->" + e.getS());
```

Output - ClassDiagram (run)

```
d->ec.edu.espe.theoretical.model.D@15db9742
Inside method m(D d), receiving parameter d ->ec.edu.espe.theoretical.model.D@15db9742and returning a C object
c->ec.edu.espe.theoretical.model.C@6d06d69c
object a attributes ->
a.i ->0
object a attributes ->
a.s ->Empty
sHello
object a attributes ->
e.s ->Hello
BUILD SUCCESSFUL (total time: 0 seconds)
```

Output