

Call Stack

main()

~~Apple(2) = a~~

~~Fruit(2)~~

~~f = 2~~

count = 2

fruit = { null, null, null }

fruit = { a, null, null }

Red Delicious()

Apple(3)

Fruit(3)

f = 3

Count = 2 + 3 = 5

Count = 5 + 3 = 8

Fruit = { a, ↓, null }

~~fruit(n)~~

~~f = 4~~

fruit = { a, ↓, ↓ }

~~fr.display()~~

~~fr.f2()~~

~~fr.f1()~~

~~r[1].display()~~

~~fr.f1~~

~~r[2].display()~~

~~fr.f2~~

~~fr.f1~~

Output

Fruit

↳ Apple

↳ 2

↳

↳ Fruit

↳ Apple

↳ Red Delicious

↳ Fruit

↳ Using array fr:

↳ display method from
apple invoked

↳ Apple F1

↳ Apple F2

↳ FRUIT F1

↳

↳ 5

↳ display method from
Red Delicious invoked

↳ Red Delicious f1

↳ 5

↳

↳ display method from
fruit invoked

↳ FRUIT f1

↳ FRUIT f2

↳ 5

↳