

-----works

PROGRAM

```
Property someprop(txt);  
Property someprop2(txt);  
Property RelativeStrength(num);
```

```
Part customP(BioBrickID, Sequence);  
customP.addProperties(RelativeStrength);  
customP cp(ABCD, 1234, 560);  
print(cp.BioBrickID);  
print(cp.RelativeStrength);
```

```
Promoter p(GCTA, BBa_435);  
print(p.Sequence);  
print(p.BioBrickID);
```

output:

ABCD

560.0

BBa_435

GCTA

-----works

PROGRAM

```
Property someprop(txt);  
Property someprop2(txt);  
Property RelativeStrength(num);
```

```
Part customP(BioBrickID, Sequence);  
customP.addProperties(RelativeStrength);  
customP cp(ABCD, 1234);  
print(cp.BioBrickID);  
print(cp.RelativeStrength);
```

```
Promoter p(GCTA, BBa_435);  
print(p.Sequence);  
print(p.BioBrickID);
```

output:

ABCD

0.0

BBa_435

GCTA

-----works

PROGRAM

```
Property someprop(txt);
Property someprop2(txt);
Property RelativeStrength(num);
```

```
Part customP(BioBrickID, Sequence);
Promoter p(GCTA, BBa_435);
customP.addProperties(RelativeStrength);
customP cp(ABCD, 1234, 560);
print(cp.BioBrickID);
//customP cp(560);
print(cp.RelativeStrength);
```

```
print(p.Sequence);
print(p.BioBrickID);
```

output:

ABCD

560.0

BBa_435

GCTA

-----works

PROGRAM

```
Property someprop(txt);
Property someprop2(txt);
Property RelativeStrength(num);
```

```
Part customP(BioBrickID, Sequence);
Promoter p(GCTA, BBa_435);
//customP.addProperties(RelativeStrength);
customP cp(ABCD, 1234);
print(cp.BioBrickID);
//customP cp(560);
//print(cp.RelativeStrength);
```

```
print(p.Sequence);
print(p.BioBrickID);
```

output:
ABCD
BBa_435
GCTA

-----works after revamp, with Device

PROGRAM

```
Property BioBrickID(txt);  
Property Sequence(txt);  
Property someprop2(txt);  
Property RelativeStrength(num);  
Property someList(txt[]);
```

```
Component customP(BioBrickID, Sequence, someList);  
customP.addProperties(RelativeStrength);  
customP cp("ABCD", "1234", ("af", "afa", "afa"), 560);  
print(cp.BioBrickID);  
print(cp.RelativeStrength);  
print(cp.someList);
```

```
Component Promoter(Sequence, BioBrickID);  
Promoter p("GCTA", "BBa_435");  
print(p.Sequence);  
print(p.BioBrickID);
```

```
Device d = {cp, p, cp};  
Device d2 = {d, d, p, d};  
print(d.Sequence);  
print(d2.Sequence);
```

output:
ABCD
560.0
[af, afa, afa]
GCTA
BBa_435
[1234, GCTA, 1234]
[1234, GCTA, 1234, 1234, GCTA, 1234, 1234, GCTA, 1234, GCTA, 1234,
GCTA, 1234]

-----works, with numbers and comments

PROGRAM

```
int x = 5, y = 5, z;
```

```
z = x + y ;
print(z);
/*Property BioBrickID(txt);
Property Sequence(txt);
Property someprop2(txt);
Property RelativeStrength(num);
Property someList(txt[]);
```

```
Component customP(BioBrickID, Sequence, someList);
customP.addProperty(RelativeStrength);
customP.cp("ABCD", "1234",("af", "afa", "afa"), 560);
print(cp.BioBrickID);
print(cp.RelativeStrength);
print(cp.someList);
```

```
Component Promoter(Sequence, BioBrickID);
Promoter p("GCTA", "BBa_435");
print(p.Sequence);
print(p.BioBrickID);
```

```
Device d = {cp, p, cp};
Device d2 = {d, d, p, d};
print(d.Sequence);
print(d2.Sequence);
*/
```

```
output:
10.0
```

-----works, arrays

```
PROGRAM
/*num x = 5.5, y = 5.5, z;
z = x + y ;
txt somet = "hello **=- World!!!!!!!!!!!!!!!!!!!!!!";
print("helo " + "...!!!!" + "#arar32q .");
print(somet);
print(z);*/
Property BioBrickID(txt);
Property Sequence(txt);
Property someprop2(txt);
Property RelativeStrength(num);
Property someList(txt[]);
```

```
txt[] a = ["1", "2", "3"], b = ["a", "b", "c"], d;  
num[] n = [1, 2, 3], n2 = [4, 5, 6];
```

```
print("a:");  
print(a);  
print("b:");  
print(n);
```

```
Component customP(BioBrickID, Sequence, someList);  
customP.addProperty(RelativeStrength);  
customP cp("ABCD", "1234",["af", "afa", "afa"], 560);  
customP cp2(.Sequence("GCCC"), .someList(["af", "afa", "afa"]));  
print("cp2.Sequence");  
print(cp2.Sequence);  
print("cp2.someList:");  
print(cp2.someList);  
/*  
print(cp.BioBrickID);  
print(cp.RelativeStrength);  
print(cp.someList);
```

```
Component Promoter(Sequence, BioBrickID);  
Promoter p("GCTA", "BBa_435");  
print(p.Sequence);  
print(p.BioBrickID);
```

```
Device d = {cp, p, cp};  
Device d2 = {d, d, p, d};  
print(d.Sequence);  
print(d2.Sequence);*/
```

```
output:  
a:  
[1, 2, 3]  
b:  
[1.0, 2.0, 3.0]  
cp2.Sequence  
GCCC  
cp2.someList:  
[af, afa, afa]
```