

Write a program to demonstrate generics with multiple object parameters.

```
import java.util.Scanner
```

```
class Multi <TYPE1, TYPE2>
```

```
{
```

```
    TYPE1 a;
```

```
    TYPE2 b;
```

```
    Multi(TYPE1 x, TYPE2 y)
```

```
{
```

```
        TYPE1 a;    a = x;
```

```
        TYPE2 b;    b = y;
```

```
}
```

```
    void show()
```

```
{
```

```
        System.out.println();
```

```
        System.out.println(a);
```

```
        System.out.println(b);
```

```
}
```

```
}
```

```
class Check
```

```
{
```

```
    public static void main(String arg[])
```

```
{
```

```
        Scientist sc = new Scientist();
```

```
        Politician po = new Politician();
```

```
        SportsPerson sp = new SportsPerson();
```

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```
Multi<SportsPerson, Politician> dsp = new Multi<SportsPerson, Politician>(sp, po);
```

```
Multi<Politician, Scientist> dps = new Multi<Politician, Scientist>(po, sc);
```

```
Multi<Scientist, SportsPerson> dss = new Multi<Scientist, SportsPerson>(sc, sp);
```

```
    dsp.show();
```

```
    dps.show();
```

```
    dss.show();
```

```
}
```

```
}
```

```
Class Scientist
```

```
{
```

```
    String sc;
```

```
    Scientist()
```

```
{
```

```
    Scanner ss = new Scanner(System.in);
```

```
    System.out.println("Enter the name of the Scientist:");
```

```
    sc = ss.nextLine();
```

```
}
```

```
    public String toString()
```

```
{
```

```
        return sc;
```

```
}
```

```
}
```

```
Class Politician
```

```
{
```

```
    String s;
```

```
    int i;
```

```
    Politician()
```

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```
{  
Scanner ss = new Scanner (System.in);  
System.out.println ("Enter the name of the Politician:");  
s = ss.nextLine();  
System.out.println ("Enter the age of the Politician:");  
i = ss.nextInt();
```

```
}  
  
Public String toString()  
{  
return s + " " + i;  
}  
}
```

Class Sports Person

```
{  
String name;  
String ass;  
Sports person()  
{  
Scanner ss = new Scanner (System.in);  
System.out.println ("Enter the name of the Sports person:");  
name = ss.nextLine();  
System.out.println ("Enter the Sports name that Sportsman play:");  
ass = ss.nextLine();  
}  
Public String toString()  
{  
return name + " " + ass;  
}  
}
```

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