24/4/20   Lab 7

Generics with multiple object parameters

~~class Gen<A,B,C>~~

```
import java.util.Scanner;
class Gen<A,B,C>{
    A ob1;
    B ob2;
    C ob3;

    Gen (A o1, B o2, C o3){
        ob1 = o1;
        ob2 = o2;
        ob3 = o3;
    }

    void showTypes ()
    {
    System.out.println("Type of A is "+ ob1.getClass().getName());
    System.out.println("Type of B is "+ ob2.getClass().getName());
    System.out.println("Type of C is "+ ob3.getClass().getName());
    }

    A getob1 () {
    return ob1;
    }

    B getob2 () {
    return ob2;
    }
```

```java
C getobj3 () {
return obj3;
}
}


class SimpleGen {
public static void main (String args []) {
Scanner sc = new Scanner (System.in);
System.out.println ("Enter a character: ");
char c = sc.next().charAt (0);
Gen <Double, Character, Boolean> gObj =
new Gen<Double, Character, Boolean> (88.9045,
c, true);


gObj.showTypes ();


double v = gObj.getob1();
System.out.println ("value: "+v);
char w = gObj.getob2 ();
System.out.println ("value: " w);
boolean x = gObj.getob3();
System.out.println ("value: " x);
}
}
```

②