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1BM19CS187

3D batch-2

LAB-7

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// A simple generic class with two type parameters:
T and V:

```
class TwoGen <T, V> {
```

```
    T ob1;
```

```
    V ob2;
```

// Pass the constructor a reference to an object of
type T and an object of type V.

```
    TwoGen (T o1, V o2) {
```

```
        ob1 = o1;
```

```
        ob2 = o2;
```

```
    }
```

// Show types of T and V.

```
    void showTypes () {
```

```
        System.out.println("Type of T is" + ob1.getClass().  
                             getName());
```

```
        System.out.println("Type of V is" + ob2.getClass().  
                             getName());
```

```
    }
```

```
    T get ob1 () {  
        return ob1;
```

```
    }
```



```
    v.getob2();
```

```
    return ob2;
```

```
}
```

```
}
```

```
// Demonstrate TwoGen.
```

```
class SimpGen {
```

```
public static void main (String args[]) {
```

```
TwoGen < Integer, String > tgObj =  
new TwoGen < Integer, String > (88, "Generics");
```

```
// Show the types.
```

```
tgObj.showTypes();
```

```
// Obtain and show values.
```

```
int v = tgObj.getobj1() getob1();
```

```
System.out.println ("value:" + v);
```

```
String str = tgObj.getob2();
```

```
System.out.println ("value:" + str);
```

```
}
```

```
}
```