

Lab - 7

```
class Gen<A, B> {
```

```
    A ob1;
```

```
    B ob2;
```

```
    Gen (A ob1, B ob2) {
```

```
        this.ob1 = ob1;
```

```
        this.ob2 = ob2;
```

```
    }
```

```
    void show () {
```

```
        System.out.println(this.ob1 + "\n" + this.ob2);
```

```
    }
```

```
}
```

```
class GenTest {
```

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

```
        Gen<Integer, String> a = new Gen<Integer, String>
```

```
            (25, "Hey");
```

```
        Gen<Double, Character> b = new Gen<Double, Character>
```

```
            (99.99, 'y');
```

```
        a.show();
```

```
        b.show();
```

```
    }
```

```
}
```


Gen.java | Internalis.java | Result.java | Generics.java

```
class Gen<A,B>{
    A ob1;
    B ob2;

    Gen(A ob1,B ob2){
        this.ob1=ob1;
        this.ob2=ob2;
    }
    public void show(){
        System.out.println(this.ob1+"\n"+this.ob2);
    }
}

class Generics{
    public static void main(String args[]){
        Gen <Integer,String>a=new Gen<Integer,String>(25,"Hey");
        Gen <Double,Character>b=new Gen<Double,Character>(200.45,'A');
        Gen <Double,String>c=new Gen<Double,String>(85.5,"Yo");
        Gen <Integer,Character>d=new Gen<Integer,Character>(100,'P');
        Gen <Integer,Double>e=new Gen<Integer,Double>(555,99.99);
        a.show();
        b.show();
        c.show();
        d.show();
        e.show();
    }
}
```

Command Prompt

```
C:\Users\Pankaj Gupta\Desktop\lab>javac Generics.java
Generics.java:1: error: class Gen is public, should be declared in a file named Gen.java
public class Gen<A,B>{
       ^
1 error

C:\Users\Pankaj Gupta\Desktop\lab>javac Generics.java

C:\Users\Pankaj Gupta\Desktop\lab>java Generics
25
Hey
200.45
A
C:\Users\Pankaj Gupta\Desktop\lab>javac Generics.java

C:\Users\Pankaj Gupta\Desktop\lab>java Generics
25
Hey
200.45
A
85.5
Yo
100
P
555
99.99

C:\Users\Pankaj Gupta\Desktop\lab>
```