

7. Write a program to demonstrate generics with multiple object parameters.

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

```
class multiple<T, V>
```

```
{
```

```
    T ob1;
```

```
    V ob2;
```

```
    multiple(T o1, V o2)
```

```
    {
```

```
        ob1=o1;
```

```
        ob2=o2;
```

```
    }
```

```
    void showTypes()
```

```
    {
```

```
        System.out.println("Type of first: "+ob1.getClass().getName());
```

```
        System.out.println("Type of second:  
"+ob2.getClass().getName());
```

```
    }
```

```
    T getob1()
```

```
    {
```

```
        return ob1;
```

```
    }
```

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

```
class Main {  
    public static void main (String args[]) {  
        Scanner scan = new Scanner(System.in);  
        System.out.println("Enter any string: ");  
        String s = scan.nextLine();  
        System.out.println("Enter any integer: ");  
        int i = scan.nextInt();  
  
        System.out.println();  
  
        System.out.println("Enter any string: ");  
        String st = scan.next();  
        System.out.println("Enter any double: ");  
        double d = scan.nextDouble();  
    }  
}
```

```
multiple<String, Integer> tgObj = new multiple<String,  
Integer>(s, i);
```

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

```
String str = tgObj.getob1();
```

```
System.out.println("value of set 1: "+ str);
```

```
int v = tgObj.getob2();
```

```
System.out.println("value of set 1: "+ v);
```

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

```
multiple<String, Double> tObj = new multiple<String,  
Double>(st, d);
```

```
tObj.showTypes();
```

```
String strn = tObj.getob1();
```

```
System.out.println("value of set 2: " + strn);
```

```
double vd = tObj.getob2();
```

```
System.out.println("value of set 2: " + vd);
```

```
}
```

```
}
```

Output:

```
Enter any string:
varun
Enter any integer:
20

Enter any string:
ram
Enter any double:
21.5
Type of first: java.lang.String
Type of second: java.lang.Integer
value of set 1: varun
value of set 1: 20

Type of first: java.lang.String
Type of second: java.lang.Double
value of set 2: ram
value of set 2: 21.5
```