

## ➤ Demonstrate Generics

```
Class myGen<A, B> {
```

```
    A obj1;
```

```
    B obj2;
```

```
    myGen(A obj1, B obj2) {
```

```
        this.obj1 = obj1;
```

```
        this.obj2 = obj2;
```

```
    }
```

```
    void Display () {
```

```
        System.out.println("obj1");
```

```
        System.out.println(obj2);
```

```
    }
```

```
}
```

```
class Genericsmain
```

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

```
    {
```

```
        myGen<String, Integer> myG1
```

```
            = new myGen<String, Integer>("Mike", 56);
```

```
        myGen<Character, Double> myG2
```

```
            = new myGen
```

```
                <Character, Double>('A', 34.8489);
```

my G1. Display ();

my G2. Display ();

}

}

1) Demonstrate handling of exceptions

```
import java.util.Scanner;

class WrongAge extends Exception {
    public WrongAge (String s) {
        super(s);
    }
}

class Father {
    int fatherAge;
    int sonAge;
    father (int fAge, int sAge) throws WrongAge
    {
        if ( fAge == sAge ) {
            throw new WrongAge ("father's
                                age is equal to
                                son's age");
        }
        else {
            this.fatherAge = fAge;
            this.sonAge = sAge;
        }
    }
}
```

class Son extends Father {

Son (int fAge, int sAge) throws WrongAge {

~~So~~ Super (fAge, sAge);

if (sAge > fAge) {

throw new WrongAge ("Son's age

is equal to or  
greater than father's  
age");

}

}

void Display () {

System.out.println ("Father's age: " + fatherAge);

System.out.println ("Son's age: " + sonAge);

}

}

Class ~~WrongAge~~ WrongAge - main {

public static void main (String [] args) {

int fAge, sAge;

Scanner sc = new Scanner (System.in);

System.out.println ("Enter Father's age:");

fAge = sc.nextInt();

System.out.println ("Enter Son's age:");

sAge = sc.nextInt();



```
try {  
    Son son = new Son(PAge, sAge);  
    son.Display();  
} catch (WrongAge ex) {  
    System.out.println("Exception " + ex);  
}  
  
}  
  
}
```