

# Quick Quiz!

Here is a quick quiz to check your understanding of Generics.



Which of the following is true about Generics?



Which keyword can be used in Generics?

3



What is the output of the following program?

```
class GetMax {
    public static <T extends Comparable<T>> T maximum (T a, T b)
    {
        if(a.compareTo(b) > 0)
            return a;
        else
            return b;
    }
    public static void main( String args[] )
    {
        System.out.println(maximum(4, 6));
        System.out.println(maximum(4.0, 6.1));
        System.out.println(maximum(4, 6.7));
    }
}
```

4



What is the output of the following program?

```
class Score <T>
{
    T value;
    public int counter = 0;
    public Score() {counter++;}
    public Score(T v) { value = v; counter++;}
};

class Main
{
    public static void main(String args[])
    {
        Score <Integer> x = new Score <Integer>();
        Score <Integer> y = new Score <Integer>();
        Score <Double> z = new Score <Double> ();

        System.out.println(x.counter);
        System.out.println(y.counter);
        System.out.println(z.counter);

    }
}
```

5

A generic class declaration looks like a non-generic class declaration, except that the class name is followed by a `type` parameter section.

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With generic methods, the type parameter section of a generic class can NOT have one or more type parameters separated by commas.



What are the benefits of Generics in Java?

Generics can be used for more than one types defined in the form of comma separated list in the class / function header.

```
public static <A,B,T> void MultipleTypesFunction(A x, B y, C z)
{
    System.out.println( x + " is Type A");
    System.out.println( y + " is Type B");
    System.out.println( z + " is Type C");
}
```

[Retake Quiz](#)

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In the next chapter, we will discuss array lists.