DoubleFunction Interface

We have discussed [Function interface](http://data-structure-learning.blogspot.com/2015/07/higher-order-functions-using-function.html) previously. I would highly recommend you to read about Function interface before reading DoubleFunction. Function interface has a generic type *T* as input and returns result of type *R*, while DoubleFunction is a specialized version of Function for double.

DoubleFunction represents a function that accepts a double argument and produces a result. This is a primitive specialized version of Function interface.

**DoubleFunction interface declaration**

**public** **interface** DoubleFunction<R>

DoubleFunction interface with type R.

**apply() method**

R apply(**double** value);

apply() method is used to apply this function to give argument.

Let us take simple example of apply() method i.e. convert double to String.

DoubleFunction<String> doubleFunction = (x) -> String.*valueOf*(x) + " converted to String";

String str = doubleFunction.apply(34d);

System.***out***.println(str);

The above code generates following result:

34.0 converted to String

That’s all on DoubleFunction interface.