IntToDoubleFunction Functional Interface

IntToDoubleFunction interface represents a function that accepts an int valued argument and produces a double valued result. Previously we have discussed Function interface, higher order functions, DoubleFunction, DoubleToLongFunction, IntFunction, LongFunction, ToDoubleBiFunction, ToDoubleFunction, ToIntBiFunction, ToIntFunction and ToLongFunction. I would highly recommend you to read the above interfaces.

IntToDoubleFunction interface is int to double primitive specialization for Function interface.

applyAsDouble() method

**double** applyAsDouble(**int** value);

This method accepts int as input and returns double as result. Let us take simple example of this interface.

IntToDoubleFunction power = (val) -> Math.*pow*(val, 2);

System.***out***.println(power.applyAsDouble(10)); //Outputs 100.0

That’s all on IntToDoubleFunction interface.

Read about important java.util.function package’s interface [here](http://data-structure-learning.blogspot.com/p/functional-programming-in-java.html). [Consumer](http://data-structure-learning.blogspot.com/2015/07/java-lambda-consumer-functional.html), [Function](http://data-structure-learning.blogspot.com/2015/07/java-lambda-function-functional.html), [Supplier](http://data-structure-learning.blogspot.com/2015/07/java-lambda-supplier-functional.html), [BinaryOperator](http://data-structure-learning.blogspot.com/2015/07/java-lambda-binaryoperator-functional.html) & [Predicate](http://data-structure-learning.blogspot.com/2015/07/java-lambda-predicate-functional.html) Functional Interfaces. I have also written on [High Order functions](http://data-structure-learning.blogspot.com/2015/07/higher-order-functions-using-function.html) using Function functional interface.