```java
// src/com/github/sahasatvik/math/FunctionNotFoundException.java

package com.github.sahasatvik.math;

/**
 * Exception thrown when an unparsable function is passed to ExpressionParser.
 *
 *      @author         Satvik Saha
 *      @version        1.0, 16/10/2016
 *      @see            com.github.sahasatvik.math.ExpressionParserException
 *      @since          1.0
 */

public class FunctionNotFoundException extends ExpressionParserException {
        private String func;

        /**
         * Constructor of FunctionNotFoundException. This constructor accepts the
         * invalid expression as well as the unrecognized function name.
         *
         *      @param  faultyExpression        the expression which could not be parsed
         *      @param  func                    the unrecognized function name
         */

        public FunctionNotFoundException (String faultyExpression, String func) {
                super(faultyExpression);
                this.func = func;
        }

        /**
         * Constructor of FunctionNotFoundException. This constructor accepts only
         * the unrecognized function name.
         *
         *      @param  func                    the unrecognized function name
         *      @since  1.0
         *
         */

        public FunctionNotFoundException (String func) {
                this("", func);
        }

        /**
         * Gets the unrecognized function name.
         *
```

```
     *      @return                              the unrecognized function name
     *      @since  1.0
     */

    public String getFunc () {
            return func;
    }
}
```