

Java

```
In [1]: %%writefile Program.java
import java.io.File;
import java.io.FileWriter;
import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class Program {
    public static void main(String[] args) {
        try {
            String filePath = args[0];
            String textStr = args[1];
            writeHelloWorld(filePath, textStr);
            readHelloWorld(filePath);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    public static void writeHelloWorld(String filePath, String textStr) throws Exception {
        FileWriter writerObj = new FileWriter(filePath);
        writerObj.write(textStr);
        writerObj.close();
    }

    public static void readHelloWorld(String filePath) throws Exception {
        List<String> textList = new ArrayList<String>();
        Scanner scannerObj = new Scanner(new File(filePath));
        while (scannerObj.hasNextLine()) {
            textList.add(scannerObj.nextLine());
        }
        scannerObj.close();
        String textStr = String.join(System.getProperty("line.separator"), textList);
        System.out.println(textStr);
    }
}
```

Writing Program.java

```
In [2]: %%cmd
javac *.java && java Program hello_world.txt "Hello World!"
```

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C:\Users\onecklam\Desktop\HelloWorld>javac *.java && java Program hello_world.txt "Hello World!"
Hello World!

C:\Users\onecklam\Desktop\HelloWorld>

Node.js

```
In [5]: %%writefile Program.js
var process = require("process");
var fs = require("fs");
```

```

class Program {
    main(args) {
        try {
            var filePath = args[2];
            var textStr = args[3];
            this.writeHelloWorld(filePath, textStr);
            this.readHelloWorld(filePath);
        } catch (e) {
            console.log(e);
        }
    }

    writeHelloWorld(filePath, textStr) {
        fs.writeFile(filePath, textStr, function (e) {
            if (e) {throw e;}
        });
    }

    readHelloWorld(filePath) {
        fs.readFile(filePath, "utf8", function (e, textStr) {
            if (e) {throw e;}
            console.log(textStr);
        });
    }
}

(new Program()).main(process.argv);

```

Writing Program.js

In [6]:

```

%%cmd
node Program.js hello_world.txt "Hello World!"

```

Microsoft Windows [Version 10.0.22000.318]
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C:\Users\onecklam\Desktop\HelloWorld>node Program.js hello_world.txt "Hello World!"
Hello World!

C:\Users\onecklam\Desktop\HelloWorld>

C#

In [3]:

```

%%writefile Program.cs
using System;
using System.IO;

class Program {
    static void Main(string[] args) {
        try {
            string filePath = args[0];
            string textStr = args[1];
            writeHelloWorld(filePath, textStr);
            readHelloWorld(filePath);
        } catch (Exception e) {
            Console.WriteLine(e);
        }
    }

    static void writeHelloWorld(string filePath, string textStr) {
        File.WriteAllText(filePath, textStr);
    }
}

```

```

static void readHelloWorld(string filePath) {
    string textStr = File.ReadAllText(filePath);
    Console.WriteLine(textStr);
}
}

```

Writing Program.cs

In [4]:

```

%%cmd
csc *.cs && Program hello_world.txt "Hello World!"

```

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C:\Users\onecklam\Desktop\HelloWorld>set PATH=C:\Windows\Microsoft.NET\Framework64\v4.0.30319;%PATH% && csc *.cs && Program hello_world.txt "Hello World!"

for C# 5

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see <http://go.microsoft.com/fwlink/?LinkID=533240>

Hello World!

C:\Users\onecklam\Desktop\HelloWorld>

Python

In [7]:

```

%%writefile Program.py
import sys;
import traceback;

class Program:
    def main(self, args):
        try:
            filePath = args[1];
            textStr = args[2];
            self.writeHelloWorld(filePath, textStr);
            self.readHelloWorld(filePath);
        except Exception as e:
            print(traceback.format_exc());

    def writeHelloWorld(self, filePath, textStr):
        writerObj = open(filePath, "w");
        writerObj.write(textStr);
        writerObj.close();

    def readHelloWorld(self, filePath):
        textStr = "";
        readerObj = open(filePath, "r");
        textStr = readerObj.read();
        readerObj.close();
        print(textStr);

Program().main(sys.argv);

```

Writing Program.py

```
In [8]: %%cmd  
python Program.py hello_world.txt "Hello World!"
```

```
Microsoft Windows [Version 10.0.22000.318]  
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```

```
C:\Users\onecklam\Desktop\HelloWorld>python Program.py hello_world.txt "Hello World!"  
Hello World!
```

```
C:\Users\onecklam\Desktop\HelloWorld>
```