Hello World Assignment for Introductory Programmers

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Introduction

This is a sampling of what the first homework assignment for a computer science student would look like under different language implementations. I give my opinion on the pros and cons of each.

Jackson Five (Hello World)

Java

```
1:  public class HiFive {
2:
3:      public static void main(String[] args) {
4:          System.out.println(args[0]+", "+args[1]+", "+args[2]+", "+args[3]+
5:                              ", and "+args[4]+" formed the original Jackson 5.");
6:      }
7:
8:  }
```

By line number:

1. The declaration of a class in this context is completely irrelevant. Moreover, it draws attention away from what is actually happening.

2. As a result of forced OOP, the Java main method requires a `static` declaration.

Python

```python
1:  import sys
2:
3:  def main():
4:      print '{}, {}, {}, {}, and {} formed the original Jackson 5.'.format(
5:          sys.argv[1], sys.argv[2], sys.argv[3], sys.argv[4], sys.argv[5])
6:
7:  if __name__ == '__main__':
8:      main()
```

C

```c
1:  #include <stdio.h>
2:
3:  main(int argc, char *argv[]) {
4:      printf("%s, %s, %s, %s, and %s formed the original Jackson 5.\n",
5:              argv[1], argv[2], argv[3], argv[4], argv[5]);
6:  }
```