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# 05.06 Desk Check: MysteryPrintWriter.java

Complete a desk check of the MysteryPrintWriter class in the space provided below.

```
< 1>   import java.io.IOException;
< 2>   import java.io.PrintWriter;
< 3>   import java.io.File;
< 4>   class MysteryPrintWriter
< 5>   {
< 6>      public static void main (String [ ] args) throws IOException
< 7>      {
< 8>
< 9>        PrintWriter outFile = new PrintWriter(new File("bah.txt"));
<10>
<11>         for (int loop = 1; loop <= 10; loop++)
<12>         {
<13>            outFile.println(loop + " " + (char)(83)+(char)(104)+(char)(101)+(char)(101)+(char)(112));
<14>         }//end of for loop
<15>         outFile.close ( );   //close the file when finished
<16>
<17>      }//end of main method
<18>   }//end of class
```

## Lines

< 1>This line imports the IOException class from the java.io library so that the program can handle errors when reading files.

< 2> This line imports the PrintWriter class from the java.io library which allows the outFile object to be created in line <13>.

< 3>This line imports the File class from the java.io library which allows a File object to be created in line <9>

< 4> Declares the class MysteryPrintWriter

< 5> This marks the beginning of the class

< 6> This line marks the main() method where the program execution begins

< 7> This marks the beginning of where the program executes

< 8> This is white space to improve the formatting and readability of the program

< 9> Creates a PrintWriter object called outFile, which represents the text file (bah.txt) to be written by the for loop

<10>white space to improve the formatting and readability of the program

<11>For loop that counts to 10 and writes the file

<12>Curly bracket marking the beginning of the for loop

<13>The print command prints the loop value plus some characters afterwards

<14> Curly bracket marking the end of the for loop

<15>The close() method of the PrintWriter class closes the output stream after its done writing the file

<16> white space to improve the formatting and readability of the program

<17> Curly bracket marking the end of the main method

<18> Curl bracket marking the end of the class