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\* OldMacDonald "sings" the Old MacDonald Had a Farm song

\*

\* **@author** Nancy Harris

\* **@version** V1

\*

\*/

**public** **class** OldMacDonald

{

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\* main calls the different methods that each "sing"

\* a part of the song

\* **@param** args unused in this application.

\*/

**public** **static** **void** main(String[] args)

{

*round*("chicks", "chick");

*space*();

*round*("cows", "moo");

*space*();

*round*("sheep", "baa");

*space*();

*round*("ducks", "quack");

}

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\* round sings one stanza of the song

\* **@param** animal The animal for this round

\* **@param** sound The sound the animal makes

\*/

**public** **static** **void** round(String animal, String sound)

{

*oldMac*();

*space*();

*andOn*(animal);

*space*();

*withA*(sound);

*space*();

*oldMac*();

}

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\* oldMac sings the OldMacDonald lines

\*/

**public** **static** **void** oldMac()

{

System.*out*.println("Old MacDonald had a farm.");

*eieio*();

}

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\* andOn sings the lines for the animal

\*/

**public** **static** **void** andOn(String animal)

{

System.*out*.println("And on his farm he had some "

+ animal + ".");

*eieio*();

}

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\* eieio sings that line of the song

\*/

**public** **static** **void** eieio()

{

System.*out*.println("E-I-E-I-O");

}

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\* withA sings the four lines about the sound

\*/

**public** **static** **void** withA(String sound)

{

*compose*("With a ", sound, " here.");

*compose*("And a ", sound, " there.");

System.*out*.println("Here a " + sound + ", there a " + sound + ".");

*compose*("Everywhere a ", sound, ".");

}

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\* space prints a single blank line

\*/

**public** **static** **void** space()

{

System.*out*.println();

}

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\* compose builds the lines for withA

\*/

**public** **static** **void** compose(String prefix, String sound, String suffix)

{

System.*out*.println(prefix + sound + ", " + sound + suffix);

}

}