Poem.java

public class Poem

{

private String title;

private int lines;

public Poem(String title, int lines){// constructor

this.title = title;

this.lines = lines;

}

//get methods

public String getTitle(){

return title;

}

public int getLines(){

return lines;

}

}

DemoPoem.java

import java.util.\*;

public class DemoPoems

{

public static void main(String[] args)

{

Poem poem1 = new Poem("The Raven", 84);

Couplet poem2 = new Couplet("True Wit");

Limerick poem3 = new Limerick("There was an Old Man with a Beard");

Haiku poem4 = new Haiku("The Wren");

display(poem1);

display(poem2);

display(poem3);

display(poem4);

}

public static void display(Poem p)

{

System.out.println("Poem: " + p.getTitle() +

" Lines: " + p.getLines());

}

}

Couplet.java

public class Couplet extends Poem

{

private final static int LINES = 2; //constant for couplet lines

public Couplet(String title){

super(title, LINES);

}

}

Haiku.java

public class Haiku extends Poem

{

private final static int LINES = 3; /constant for haiku lines

public Haiku(String title){

super(title, LINES);

}

}

Limerick.java

public class Limerick extends Poem

{

private final static int LINES = 5;//constant for limerick lines

public Limerick(String title){

super(title, LINES);

}

}