

PMR: This program was a really easy introductory program. It was a good review of the past programs. The hardest part was probably building the abstract. The only thing I didn’t enjoy was the amount of lines of code.

HOMEWORK

/\*

\* By Anika Jallipalli

\* Date: 3/1/2020

\* Purpose: mirror your homework and then to create instances for different subject matter

\*

\* PMR in README.txt

\*/

public abstract class Homework

{

//variables

public int pagesRead;

public String typeHomework;

//constructor

Homework()

{

pagesRead = 0;

typeHomework = "none";

}

//other methods

//create assignment

public abstract void createAssignment(int p);

}

MYENGLISH

/\*

\* By Anika Jallipalli

\* Date: 3/1/2020

\* Purpose: mirror your homework and then to create instances for different subject matter

\*

\* PMR in README.txt

\*/

public class MyEnglish extends Homework

{

//constructor

MyEnglish()

{

super();

}

//implemented create assignment method

public void createAssignment(int p)

{

pagesRead = p;

typeHomework = "English";

}

//other methods

//to string

public String toString()

{

return typeHomework + " - must read " + pagesRead + " pages";

}

}

MYJAVA

/\*

\* By Anika Jallipalli

\* Date: 3/1/2020

\* Purpose: mirror your homework and then to create instances for different subject matter

\*

\* PMR in README.txt

\*/

public class MyJava extends Homework

{

//constructor

MyJava()

{

super();

}

//implemented create assignment

public void createAssignment(int p)

{

pagesRead = p;

typeHomework = "Java";

}

//other methods

//to string

public String toString()

{

return typeHomework + " - must read " + pagesRead + " pages";

}

}

MYMATH

/\*

\* By Anika Jallipalli

\* Date: 3/1/2020

\* Purpose: mirror your homework and then to create instances for different subject matter

\*

\* PMR in README.txt

\*/

public class MyMath extends Homework

{

//constructor

MyMath()

{

super();

}

//implemented create assignment method

public void createAssignment(int p)

{

pagesRead = p;

typeHomework = "Math";

}

//other methods

//to string

public String toString()

{

return typeHomework + " - must read " + pagesRead + " pages";

}

}

MYSCIENCE

/\*

\* By Anika Jallipalli

\* Date: 3/1/2020

\* Purpose: mirror your homework and then to create instances for different subject matter

\*

\* PMR in README.txt

\*/

public class MyScience extends Homework

{

//constructor

MyScience()

{

super();

}

//implemented create assignment method

public void createAssignment(int p)

{

pagesRead = p;

typeHomework = "Science";

}

//other methods

//to string

public String toString()

{

return typeHomework + " - must read " + pagesRead + " pages";

}

}

TESTHOMEWORK

import java.util.ArrayList;

/\*

\* By Anika Jallipalli

\* Date: 3/1/2020

\* Purpose: mirror your homework and then to create instances for different subject matter

\*

\* PMR in README.txt

\*/

public class TestHomework

{

public static void main(String[] args)

{

//create arraylist

ArrayList<Homework> homework = new ArrayList<Homework>();

//create each homework element

MyMath math = new MyMath();

math.createAssignment(4);

MyScience science = new MyScience();

science.createAssignment(6);

MyEnglish english = new MyEnglish();

english.createAssignment(10);

MyJava java = new MyJava();

java.createAssignment(5);

//add each homework element

homework.add(math);

homework.add(science);

homework.add(english);

homework.add(java);

//print each assignment

for(Homework assignment : homework)

{

System.out.println(assignment);

}

}

}