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this program demonstrates the use of While loops
printing out how many late trains there are before
it is early

*/

import javax.swing.*;

class Short7

{

public static void main(String[] param)

{

lateTrain();

System.exit(0);

} //END main

//a method using If and While constructs to loop the same question until the while loop
becomes false

public static void lateTrain()

{

int count1 = 0;

int count2 = 0;

int minutes = 0;

int lateminutes = 0;

while (minutes >= 0)

{

count1 = count1 + 1;

minutes = Integer.parseInt(JOptionPane.showInputDialog("How many minutes late was the
train?"));

if (minutes > 0)

{

count2 = count2 + 1;

if (minutes > lateminutes)

{

lateminutes = minutes;

}

else{}

}

else{}

}

int count3 = count1 - count2;

System.out.println((count3-1) + " out of the " + (count1-1) + " trains were on time.");

System.out.println("The worst train was " + lateminutes + " minutes late");

} //END lateTrain

```
} //End class Short7
```