Nathan Gaffney

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CST-183-FA110-14FA-COURSE

Pseudocode:

Int time,distance,speed

Prompt user for time

Validate time > 0

Prompt for speed

Validate speed > 0

Println Hour Distance Travled

Println Asterisks

For (count < =time)

Println(count + (count\*speed))

/\*-----------------------  
Created by: Nathan Gaffney  
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Recieve speed and time  
Create a display for distance traveled  
------------------------\*/  
import java.util.Scanner;  
public class DistanceExam  
{  
 public static void main (String args[])  
 {  
 int hour=0,distance=0,speed=-1;  
 String ast="";//Asterisk Line  
 Scanner keyboard = new Scanner(System.in);  
 while (speed<0)  
 {  
 System.out.print("Enter the speed of vehicle(mph): ");  
 speed = keyboard.nextInt();  
 }  
 while (hour<1)  
 {  
 System.out.print("\nEnter the amount of time traveled(hours): ");  
 hour = keyboard.nextInt();  
 }  
 System.out.println("Hour "  
 +"Distance Traveled");  
 for (int x=0;x<25;x++){ast +="\*";}  
 System.out.println(ast);//Create line of asterisks  
 for (int x=1; x<=hour; x++)  
 {  
 System.out.println(x+" "  
 +(x\*speed)+" miles");  
 }  
   
 }  
}

ÏEnter the speed of vehicle(mph): 15  
ÏÏ§Ï  
¼¼§ÏEnter the amount of time traveled(hours): 4  
ÏÏ§ÏHour Distance Traveled  
ÏÏ§Ï\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
ÏÏ§Ï1 15 miles  
ÏÏ§Ï2 30 miles  
ÏÏ§Ï3 45 miles  
ÏÏ§Ï4 60 miles

