

# Java Basics Tutorial

## Exercises for Part 3: Console Input / Output



Free Code Lessons

# Problem: Days to Minutes

- Write a program to convert **days to minutes**:
  - Read a single **integer** (the **days** to be converted)
  - Convert the days to minutes (1 day = 24 hours \* 60 minutes)
  - Print the **minutes**

2 → Minutes = 2880

5 → Minutes = 7200

# Problem: Centimeters to Inches

- Write a program to **convert centimeters to inches**:
  - Read **a floating-point** number: **centimeters**
  - Convert the centimeters to inches: **divide by 2.54**
  - Print the calculated result in the format below:

5 → 5.00 cm = 1.97 inches

2.7 → 2.70 cm = 1.06 inches

# Problem: Calculate Speed

- Write a program to calculate the speed by time and distance:
  - Read **2 floating-point** numbers: **distance** and **time**
  - Calculate the speed needed to travel the specified **distance** for the specified **time**
  - Print the calculated result formatted to 2<sup>nd</sup> digit

15  
2



7.50

15  
2.2



6.82

# Problem: Triangle Area

- Write a program to calculate a **triangle area**:
  - Read from input a side **a** and height for that side **h<sub>a</sub>**
  - Calculate the **area of a triangle** by its **side** and **height**
  - Print the **area**, formatted to the **2<sup>nd</sup> digit** after decimal point

5  
10



25.00

3.1  
10



15.50

# Problem: Circle Area and Perimeter

- Write a program to calculate a **circle area and perimeter**:
  - Read a floating-point number: the **radius of a circle**
  - Calculate the **area** and the **perimeter** of a circle
  - Print the calculated values formatted to the 2<sup>nd</sup> digit after the decimal point

7



Area = 153.94  
Perimeter = 43.98

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