

Write a Java Program to solve each one of the problem. Please name your project as **mentioned in each problem**. Please submit the homework to @homeworkbot with a #java-class2

Pizza.Java

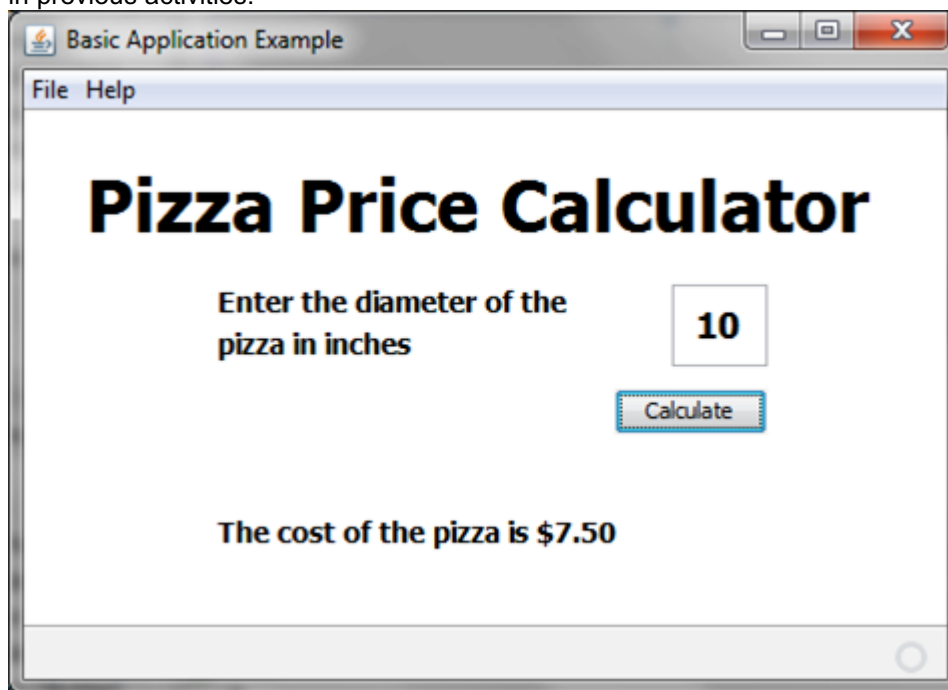


The cost of making pizza at a local shop is as follows:

- Labour cost is \$1.00 per pizza, regardless of size.
- Store cost is \$1.50 per pizza, regardless of size.
- Materials is \$0.50 * diameter (diameter is measured in inches).

Create a Java application that prompts the user for the size of a pizza and then displays the cost of making the pizza.

The application should look similar to the image below. Notice that the output is formatted to 2 decimal places with a dollar sign in front. Remember that this can be accomplished using DecimalFormat as seen in previous activities.



Sleep.Java

Create a Sleep Calculator application that calculates the number of hours a person has spent sleeping from the time [s]he was born until today.

To simplify the problem, assume the following:

- everyone sleeps 8 hours every night
- there are 30 days in each month
- there are 365 days in each year.



Sample Application Output

A screenshot of a Java Swing window titled "Basic Application Example". The window contains a "Sleep Calculator" application. It has a menu bar with "File" and "Help". The main area has two columns of input fields: "Enter Your Birthdate" and "Enter Today's Date". The birthdate fields are Day: 24, Month: 6, Year: 1991. The today's date fields are Day: 15, Month: 12, Year: 2008. There are "Calculate" and "Exit" buttons on the left. On the right, there are two text boxes showing the results: "You have been alive for 6376 days." and "You have slept 51008 hours." The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

Basic Application Example

File Help

Sleep Calculator

Enter Your Birthdate Enter Today's Date

Day 24 Day 15

Month 6 Month 12

Year 1991 Year 2008

Calculate

Exit

You have been alive for 6376 days.

You have slept 51008 hours.