

1. Write a Java program using the formula to calculate the mileage of car? Use inheritance.

### Gas Mileage Calculator

An easy way to calculate gas mileage is to remember the odometer reading or to reset the mileage counter when filling up a gas tank. When doing so next time, obtain the mileage accrued between the two gas fill-ups. Then divide the mileage figure by the amount of gas filled the second time to obtain the gas mileage.

▼ Modify the values and click the Calculate button to use

US Units

Metric Units

Other Units

Current Odometer Reading

18900

kilometer

Previous Odometer Reading

18300

kilometer

Gas Added to the Tank

50

liter

Gas Price (Optional)

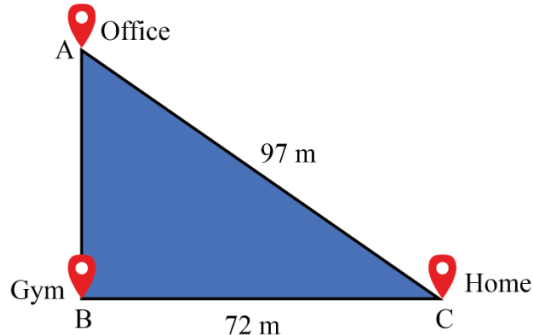
\$1

per liter

Calculate ▶

Clear

2. Write a Java program to calculate time take to travel from home to college. Enter all the dependent objects (attributes) Using objects.



3. Write a Java program to calculate YIELD TO MATURITY using below formula,

$$Approx\ YTM = \frac{C + \frac{F-P}{n}}{\frac{F+P}{2}}$$

$C$  = Coupon/Interest Payment

$F$  = Face Value

$P$  = Price

$n$  = years to maturity

4. Write a Java program to calculate simple interest rate and compound interest rate.