

**King Saud University**  
**College of Computer & Information Science**  
**CSC111 – Tutorial3**  
**Arithmetic operator, Increment, Decrement**  
**All Sections**

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**Exercise 1:**

Write a Java program to read in the weight (in pounds) of an object and then compute and print the weight in kilograms and grams.

*(Hint: 1 pound is equal to 0.453592 kilogram and 453.59237 grams.)*

**Example:**

```
Enter the weight in pounds: 8
The weight in Kilograms is: 3.628736
The weight in Grams is: 3628.73896
```

**Answer:**

```
import java.util.Scanner;
public class pound_KG {

    public static void main(String [ ] args) {
        Scanner in = new Scanner (System.in);
        int pound;
        double kilo, gram;
        System.out.println("Enter the weight in pound: ");
        pound = in.nextInt();
        kilo = pound * 0.453592;
        gram = pound * 453.59237;
        System.out.println("weight in kilos = " + kilo);
        System.out.println("weight in grams = " + gram);

    }

}
```

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### Exercise 2:

Write a Java program to read two data items and print their sum, difference, product, and quotient.

### Example:

```
Enter two numbers: 10 5
The sum = 15
The difference = 5
The product = 50
The quotient = 2
```

### Answer:

```
import java.util.Scanner;
public class Result {

    public static void main(String [ ] args) {
        Scanner in = new Scanner (System.in);
        double a, b, sum, difference, product, div;
        System.out.println("Enter Two numbers: ");
        a = in.nextDouble();
        b = in.nextDouble();
        sum = a+b;
        difference = a - b;
        product = a * b;
        div =(double) (a / b) ;
        System.out.println( "Sum = " + sum);
        System.out.println ( "difference = " + difference);
        System.out.println ( "product = " + product);
        System.out.println ("div = " + div);

    }

}
```

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