

King Saud University
College of Computer & Information Science

Lab 4 (16/10)	Operators. Objects creation Access to the objects
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Note: Scanner should be used in all exercises

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
```

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
```

Exercise 3:

Write a java program that reads an integer and print the least significant digit and the next least significant digit.

Example:

```
Enter an integer number > 7235
The least significant digit is 5
The next least significant digit is 3
```

Exercise 4: (HOMEWORK)

Write a java program that reads an integer decimal number smaller than 32 and prints the equivalent representation in binary system.

Hint: use five variables to store the value of the binary digits.

Example:

```
Enter an integer number smaller than 32 > 12
The equivalent in binary = 01100
```