

Sprint 3: Write simple Java Program to display output

Practice Challenge - 3.1 – Retail Price of a Product

A gift store wishes to increase the selling price of its items by 5% due to a hike in the price of raw materials.

Write a program that takes the item name and its price as input and displays the revised selling price of the item.

Sample Input:

Enter Item name : Rounded Kaisa Bowl

Enter Selling Price : \$10.99

Sample Output:

Revised Selling Price for Rounded Kaisa Bowl is \$11.539

Practice Challenge – 3.1 – Boilerplate URL

https://myrepos.stackroute.niit.com/core_java_boilerplates/sprint3_pc3.1

Practice Challenge - 3.2 – Weighted Average Score

Performance of students of an engineering college is evaluated on the basis of marks obtained by them in assessments that are carried out throughout the year. The percentage value assigned for each of the different types of assessments conducted is listed below.

Assessment Type	Percentage Assigned
Assignments	10%
Projects	35%
Quizzes	10%
Mid Term	15%
Final Exam	30%

Students need to calculate their weighted average score based on the percentage value of each type of assessment.

Write a program that accepts the scores obtained by a student for each of the five different types of assessments and displays the weighted average score of the student.

Sample Input:

Assignments 97

Projects 82

Quiz 60

Mid term 75

Final exam 80

Sample Output

Weights % Value of score

Assignments 9.7

Projects 28.699999

Quiz 6.0

Mid term 11.25

Final Exam 24.0

Overall Percentage : 79.649994%

Practice Challenge – 3.2 – Boilerplate URL

https://myrepos.stackroute.niit.com/core_java_boilerplates/sprint3_pc3.2

Practice Challenge - 3.3 – Calorie Tracker

Anne is using a calorie tracker app to help her keep a record of her daily intake of calories and all her physical activities. If she spends 30 minutes each on cycling, swimming and running she burns 300, 200 and 500 calories respectively.

Anne can lose one pound of weight for every 1000 calories that she burns. Her daily intake of calories tracked by the app is 2000.

Write a Java program to calculate the number of pounds Anne can lose in a month, if she does each of the above mentioned activities once a week.

Sample Input:

Calorie burnt by cycling : 300
Calorie burnt by running : 200
Calorie burnt by swimming: 500
Calorie intake in a day : 2000

Sample Output:

Weight lost by Anne in a month is : 15 pounds

Practice Challenge – 3.3 – Boilerplate URL

https://myrepos.stackroute.niit.com/core_java_boilerplates/sprint3_pc3.3