



Assignment – 1 – Scanner Class

Mastering Java Basics - Youtube Series

1. Basic Output

Write a program that displays Hello World on screen.

2. Basic Output

Write a program that displays your name on screen within double quotes.

3. Basic Input/Output:

Write a program that prompts the user to enter their full name and age. Print a greeting message including their name and age.

4. Personal Details:

Write a program that accepts your name, address and mobile number and display it on screen.

5. Sum of Two Numbers:

Ask the user to input two integers and print the sum.

6. Product of Two Numbers:

Write a program that asks the user to input two floating-point numbers and prints their product.

7. Circle Area and Circumference:

Take the radius of a circle as input from the user and print the area of the circle. Use the formula: $\text{Area} = \pi * r^2$, $\text{Circumference} = 2 * \pi * r$.

8. Simple and Compound Interest:

Write a program that accepts principle, rate and time and display simple and compound interest. Use the formula: $\text{Simple Interest} = \text{Principal} * \text{Rate} * \text{Time} / 100$, $\text{Compound Interest} = \text{Principal} * (1 + \text{Rate})^{\text{Time}} - \text{Principal}$

9. Centigrade and Fahrenheit

Write a program that accepts temperature in Centigrade and display it in Fahrenheit. Use the formula: $F = C * 9/5 + 32$

10. Concatenating Strings:

Ask the user to input two separate strings and print them concatenated into one sentence.

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https://www.youtube.com/playlist?list=PLzrb6iZd6X9Kia8eiW_jj4u8ljF93FMMB



11. User Input as Double:

Write a program that asks the user to input a number in decimal format (double) and then prints the number.

12. Currency Conversion:

Ask the user to input an amount in dollars (double) and print the equivalent amount in euros. Assume the conversion rate is 0.85 euros per dollar.

13. Character Input:

Write a program to take a character input from the user and display it with a message.