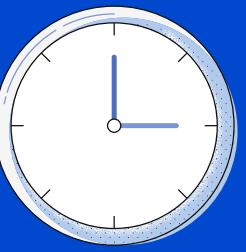
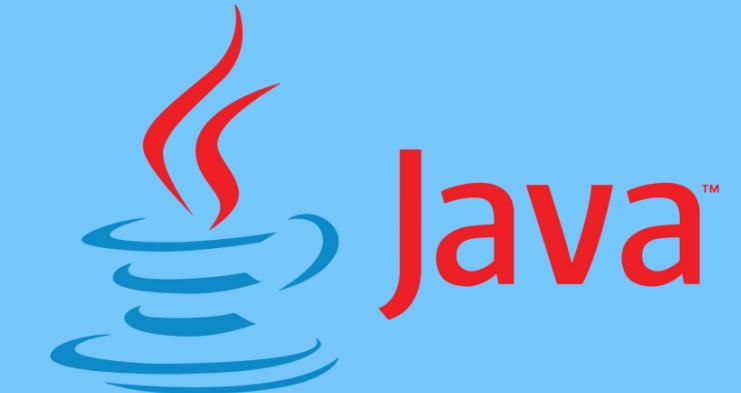


Java Primitives Homework-2





Description

- Create new classes for every implementation inside the homework package.
- Use meaningful name for class and print out the result.
- Send all homework as direct message to user "homework" from slack

TASK-1



Description

1- Create char for your all first letters and try to print them out together.
for example:

T
E
C
H
T
O
R
I
A
L

Output:
TECHTORIAL

TASK-2

Description

```
int result=4*7+3-2*9%5/3-2;
```

```
int result1= 12-3/3+4-2*2%4+12%3/3;
```

Please write the pseudoCode with an explanation of which arithmetic operation will be executed first to find the current result.

NOTE: please write pseudoCode, I don't want directly the solution.



TASK-3

Description

Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers.

Test Data:

Input first number: 125

Input second number: 24

Expected Output :

$$125 + 24 = 149$$

$$125 - 24 = 101$$

$$125 \times 24 = 3000$$

$$125 / 24 = 5$$

$$125 \text{ mod } 24 = 5$$



TASK-4

Description

Write a Java program to print the area and perimeter of a rectangle.

Test Data:

Width = 5.5 Height = 8.5

Expected Output

Area is $5.6 * 8.5 = 47.60$

Perimeter is $2 * (5.6 + 8.5) = 28.20$



TASK-5

Description

Write a Java program that takes a number as input and prints its multiplication table up to 10.

Test Data:

Input a number: 8

Expected Output :

$$8 \times 1 = 8$$

$$8 \times 2 = 16$$

$$8 \times 3 = 24$$

...

$$8 \times 10 = 80$$



TASK-6

Description

Bob's company following the formula to calculate the annual bonus amount.

Bob is earning 200K a year. The company is applying a 5 percent bonus for 50 percent of the salary, 8 percent bonus for 30 percent of the salary, and finally 10 percent of bonus 20 percent of the salary. Write the code to calculate the bonus amount for Bob. If I want to calculate the bonus amount for another person, I should be able to change the salary and it should display the bonus amount.

