

Assignment 1
Java Basics
Deadline: 18/08/2024

Practice from the site <https://codingbat.com/java>

I will give a problem to solve from there during class.

Also Submit an answer code for the following problems.

- Write a Java program to print your name.
- Write a Java program to add two numbers.
- Write a Java program to change temperature from Celsius to Fahrenheit.
- Write a Java program to change temperature from Fahrenheit to Celsius.
- Write a Java program to find the area and perimeter of a rectangle.
- Write a Java program to find the area and perimeter of a circle.
- Write a Java Program to display whether a number is odd or even.
- Write a Java Program to check if a number is Positive or Negative.
- Write a Java program to find a maximum of three numbers.
- Write a Java program to swap two numbers.
- Write a Java program to convert miles to kilometers.
- Write a Java program to check whether a year is a leap year or not.
- Write a Java program for the following grading system.
 - Note: Percentage \geq 90% : Grade A
 - Percentage \geq 80% : Grade B
 - Percentage \geq 70% : Grade C
 - Percentage \geq 60% : Grade D
 - Percentage \geq 40% : Grade E
 - Percentage $<$ 40% : Grade F
- Write a Java program to check whether a number is divisible by 5 or not.

Be aware that if you copy any code I will know. This is highly discouraged. Don't waste the chance to learn for yourself.

Lastly create a **"Student"** class with appropriate attributes. I will not fix the attributes and methods, just code what's on your mind.