Decepti Code

// **Round 2: Coding in an Unknown Language**

You will be coding in ArnoldC today.

There is documentation located in **'DeceptiCode_ArnoldC_Documentation'** with proper usage and all the keywords.

There are some samples located in the **'samples'** folder.

hello.arnoldc prints 'Hello World'

printing_numbers.arnoldc prints numbers from 1-10

method_call.arnoldc prints the multiplication of two numbers x and y using a method call

Other samples show how to use the constructs. The name of the file is indicative of what it contains.

To run a program:

1. Make sure java is present on the classpath
2. Save your ArnoldC Program in a .arnoldc file
3. Make sure ArnoldC.jar is present in the same folder as the saved file
4. Open a CMD / Terminal on this folder
5. **Compile the code:** java -jar ArnoldC.jar hello.arnoldc
6. **Run the code:** java hello

For ease there is a folder **'workspace'** which has 5 HelloWorld ArnoldC files and the Jar present. If you wish - you can use these files and edit them out for the questions.

General Instructions:

- You will never take input from the command line
- If a question requires an input N – you will hardcode it in the program in whichever convenient way
- Don't delete your code once you have it checked. We might need to review it later
- You can choose to do the questions in any order
- Please don't hard code the output (we will go through the program to make sure there is no funny business happening)
- We will note down the time once you have successfully solved a question. This will help in tie breakers.

Question 1

Write a program in ArnoldC to print squares of numbers from 1 to 25

Question 2

Write a program in ArnoldC that prints the Fibonacci Series till N. (Let's call it **'Arnonacci'** :D)

If N = 20

Output:

Question 3

Write a program in ArnoldC which prints the modulo of two numbers X and Y. You can assume that X > Y.

If X = 9, Y = 4

Output: 1

Question 4

Write a program in ArnoldC which prints the sum of multiples of 3 & 5 below N.

If N = 10

Output: 23

23 = 3+5+6+9

Question 5

Write a program in ArnoldC that prints the numbers from 1 to 100. But for multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz"