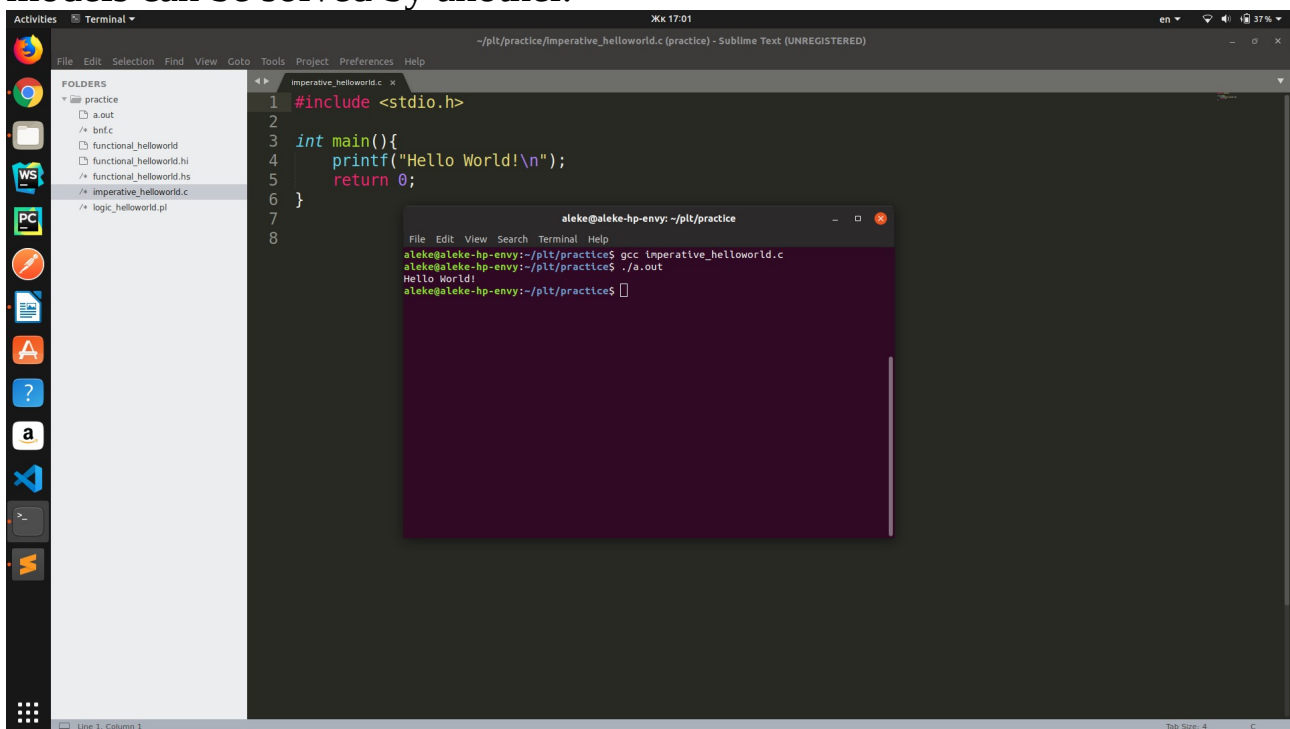


Homework #1

Questions.

- 1) Computational model is the set of values and operations that helps us to solve any problems.
- 2) The most ancient computational model is imperative. Machine code, procedural languages are implementations of imperative computation model. In chronology they are oldest, so imperative computational model is also oldest.
- 3) Programming language is implementation of any computational models that has own syntax, concepts and paradigms. Programming language notates how programs must be written.
- 4) Programming language consists of: syntax, expressions, operators, instructions, data types.
- 5) In terms of decidability, imperative, functional and logic computational models are same. Each problem that can be solved by one computation models can be solved by another.



The screenshot displays a Linux desktop environment. On the left is a vertical dock with various application icons. The main workspace contains two windows. The background window is a code editor (Sublime Text) with a dark theme, showing a C program in a file named `imperative_helloworld.c`. The code is as follows:

```
1 #include <stdio.h>
2
3 int main(){
4     printf("Hello World!\n");
5     return 0;
6 }
7
8
```

Overlaid on top of the code editor is a terminal window. The terminal shows the execution of the program:

```
aleke@aleke-hp-envy: ~/plt/practice
aleke@aleke-hp-envy:~/plt/practice$ gcc imperative_helloworld.c
aleke@aleke-hp-envy:~/plt/practice$ ./a.out
Hello World!
aleke@aleke-hp-envy:~/plt/practice$
```

