TO-DO:

1. The following C++ program applies 5 different functions. Supply title lines (prototypes) for the 5 functions. Do not supply any blocks of code for the functions.

```c++
int main() {
    int x, c, r;
    x = readData();
    for (c = 0; c < 5; c++) printValues(x, c);
    x = adjust(x + 2);
    r = max3(x, c, 10);
    return fun(x + c, r - c);
}
```

2. Write a complete C++ program that has two functions:
   - function that checks the input (it has to be a 2-digit positive number), so it returns true if input is as expected, false otherwise;
   - function that prints all digits of that number.
   Test your program by writing some tests in `main()`.

3. Write a complete C++ program that does the following:
   - it asks a user to input positive integer is a range of 1 and 10, if input is not as expected program is terminated;
   - then the function ‘printTriangle’ is called with an input used as a parameter. If input is one, one triangle is printed, if two – two (under the other one) and so on. You can reuse any code written before.

   Ex. input = 2:
   
   ```
   ***
   **
   *
   ```
   
   ```
   ***
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   *
   ```
   
   ```
   **
   *```