Task: 1

```cpp
1   // Online C++ compiler to run C++ program online
2   #include <iostream>
3
4   int main(){
5       // Declare variables
6       int a = 6;
7       int b = 3;
8       double c = 4.7;
9       // Arithmetic operations
10      int sum = a + b;
11      int diff = a - b;
12      int product = a * b;
13      double quotient = a / c;
14      int remainder = a % b;
15      // Conditional statements
16      if (a > b) {
17      std::cout << "a is greater than b" << std::endl;
18      }
19      else if (a < b) {
20      std::cout << "a is less than b" << std::endl;
21      }
22      else {
23      std::cout << "a is equal to b" << std::endl;
24      }
25      // Output results
26      std::cout << "a = " << a << std::endl;
27      std::cout << "b = " << b << std::endl;
28      std::cout << "c = " << c << std::endl;
29      std::cout << "a + b = " << sum << std::endl;
30      std::cout << "a - b = " << diff << std::endl;
31      std::cout << "a * b = " << product << std::endl;
32      std::cout << "a / c = " << quotient << std::endl;
33      std::cout << "a % b = " << remainder << std::endl;
34      return 0;
35  }
```

Output:

```
/tmp/5z9sWdIhn0.o
a is greater than b
a = 6
b = 3
c = 4.7
a + b = 9
a - b = 3
a * b = 18
a / c = 1.2766
a % b = 0
```