

```
1  #include <iostream>
2  #include <string.h>
3  #include <vector>
4  #include "A9.h"
5
6
7
8  // The main function only contains a menu.
9  // Each exercise in the assignment has it's own function to do
10 // any preliminary work and the core of the exercises will be
11 // in separate functions (the ones that have to be handed in).
12
13 int main() {
14     std::cout << "1 - Reverse number sequence" << std::endl;
15     std::cout << "2 - Fibonacci sequence" << std::endl;
16     std::cout << "3 - Palindrome" << std::endl;
17     std::cout << "4 - Levenshtein distance\n" << std::endl;
18     std::cout << "Choose assignment:";
19
20     unsigned short choice;
21     std::cin >> choice;
22
23     // cin needs to be "flushed" or it will create problems for
24     // subsequent input calls...
25     std::cin.clear();
26     std::cin.ignore();
27
28     std::string S;
29     std::getline(std::cin, S);
30
31     if (choice == 1)
32         assignment9_1(S);
33     else if (choice == 2)
34         assignment9_2(S);
35     else if (choice == 3)
36         assignment9_3(S);
37     else if (choice == 4)
38         assignment9_4(S);
39     else
40         std::cout << "ERROR!";
41
42     return 0;
43 }
```