

Zad. 1.

```
#include <iostream>

using namespace std;

void morse(char znak)
{
    switch (znak) {
        case 'a':
            cout << ".-." << ", "; break;
        case 'b':
            cout << "-..." << ", "; break;
        case 'c':
            cout << "-.-." << ", "; break;
        case 'd':
            cout << "-.." << ", "; break;
        case 'e':
            cout << "." << ", "; break;
        case 'f':
            cout << "..-." << ", "; break;
        case 'g':
            cout << "--." << ", "; break;
        case 'h':
            cout << "...." << ", "; break;
        case 'i':
            cout << ".." << ", "; break;
        case 'j':
            cout << ".---" << ", "; break;
        case 'k':
            cout << "-.-" << ", "; break;
        case 'l':
            cout << "-.-." << ", "; break;
        case 'm':
            cout << "--" << ", "; break;
        case 'n':
            cout << "-." << ", "; break;
        case 'o':
            cout << "---" << ", "; break;
        case 'p':
            cout << ".---" << ", "; break;
        case 'q':
            cout << "--.-" << ", "; break;
        case 'r':
            cout << "-.-" << ", "; break;
        case 's':
            cout << "..." << ", "; break;
        case 't':
            cout << "-" << ", "; break;
        case 'u':
            cout << "..-" << ", "; break;
        case 'v':
            cout << "...-" << ", "; break;
        case 'w':
            cout << "--" << ", "; break;
        case 'x':
            cout << "-.-" << ", "; break;
        case 'y':
            cout << "-.-" << ", "; break;
        case 'z':
```

```
    cout << "---" << ", "; break;
case 'A':
    cout << ".-" << ", "; break;
case 'B':
    cout << "-..." << ", "; break;
case 'C':
    cout << "-.-" << ", "; break;
case 'D':
    cout << "-.." << ", "; break;
case 'E':
    cout << "." << ", "; break;
case 'F':
    cout << "...-" << ", "; break;
case 'G':
    cout << "--." << ", "; break;
case 'H':
    cout << "...." << ", "; break;
case 'I':
    cout << ".." << ", "; break;
case 'J':
    cout << "----" << ", "; break;
case 'K':
    cout << "-.-" << ", "; break;
case 'L':
    cout << "-.." << ", "; break;
case 'M':
    cout << "--" << ", "; break;
case 'N':
    cout << "-." << ", "; break;
case 'O':
    cout << "---" << ", "; break;
case 'P':
    cout << "...-" << ", "; break;
case 'Q':
    cout << "--.-" << ", "; break;
case 'R':
    cout << "-.-" << ", "; break;
case 'S':
    cout << "... " << ", "; break;
case 'T':
    cout << "-" << ", "; break;
case 'U':
    cout << "..-" << ", "; break;
case 'V':
    cout << "...-" << ", "; break;
case 'W':
    cout << "--" << ", "; break;
case 'X':
    cout << "-.-" << ", "; break;
case 'Y':
    cout << "-.-" << ", "; break;
case 'Z':
    cout << "---" << ", "; break;
case '1':
    cout << "----" << ", "; break;
case '2':
    cout << "..---" << ", "; break;
case '3':
    cout << "...--" << ", "; break;
case '4':
```

```

        cout << "....-" << ", "; break;
    case '5':
        cout << "....." << ", "; break;
    case '6':
        cout << "-...." << ", "; break;
    case '7':
        cout << "--..." << ", "; break;
    case '8':
        cout << "---.." << ", "; break;
    case '9':
        cout << "----." << ", "; break;
    case '0':
        cout << "-----" << ", "; break;
    case ' ':
        cout << " "; break;
    default:
        cout << "Blad" << endl; break;
}
}

int main()
{
    cout << "Wpisz wiadomosc: ";
    string ciagZnakow;
    getline(cin, ciagZnakow);

    for (int i=0; i<ciagZnakow.size(); i++)
        morse(ciagZnakow[i]);

    return 0;
}

```

Zad. 2.

- Czerwony - 0 100 100 0
- Zielony - 100 0 100, 0
- Żółty - 0 0 100 0
- Turkusowy - 70 0 20 0
- Seledynowy - 23 0 22 11
- Burgund - 0 98 99 62
- Ecrú - 0 0 10 4
- Beżowy - 0 14 35 15
- Akwamaryn - 50 0 17 0
- Granatowy - 100 100 0 50
- Szkarłatny - 0 90 90 32
- Pudrowy róż - 0 25 20 0