

Lecture 2: Practice on cout, escape characters, Arithmetic operations

- 1) Write a program to print "Hello" in two different lines with one cout only.
- 2) Ask students about the output of these programs (behave as a compiler, and try to write the output in your book)

```
#include <iostream>
using namespace std;

int main() {
    cout << "Hello,\tWorld!\n";
    cout << "Welcome to C++ programming!\n";
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "The path is C:\\Users\\Documents\\MyFile.txt\n";
    cout << "She said, \"C++ is fun!\"\n";
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "2 + 3 = " << 2 + 3 << endl;
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "5 * 4 = " << 5 * 4 << endl;
    cout << "10 - 6 = " << 10 - 6 << endl;
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "First line.\nSecond line.\n\n\tIndented third line.\n";
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "Displaying some special characters:\n";
    cout << "Backslash: \\n";
    cout << "Single quote: '\n";
    cout << "Double quote: \"n";
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "10 / 3 = " << 10 / 3 << endl;
    cout << "10 % 3 = " << 10 % 3 << endl;
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "Result of (5 + 3) * 2 = " << (5 + 3) * 2 << endl;
    cout << "Result of (20 - 4) / 4 = " << (20 - 4) / 4 << endl;
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "+-----+\n";
    cout << "| This is a box |\n";
    cout << "| with escape chars|\n";
    cout << "+-----+\n";
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "Complex expression result: " << ((4 + 2) * (8 / 2) - (3 + 1)) << endl;
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main() {
    cout << "Hello World!\rBye";
    return 0;
}
```