First C++ program

* #include <iostream>

using namespace std;

int main() {

    //print "C++ is cool"

    cout << "C++ is " << "cool";

    return 0;

}

Headers

* #include <iostream>

using namespace std;

int main() {

cout << “Hello World!”;

return 0;

}

New line

* #include <iostream>

using namespace std;

int main() {

cout << “Hello world!” << endl;

cout << “I love programming!”;

return 0;

}

* “\n” adds new line
* #include <iostream>

using namespace std;

int main() {

cout << "This\nis\nlit"; → Print “This” “is” “lit”

return 0;

}

Comments

* “//” adds a single line comment
* #include <iostream>

using namespace std;

int main() {

cout << “C++ is hard” << endl;

cout << “C++ is cool” << endl;

return 0;

}

* Begin with “/\*” and “\*/”
* #include <iostream>

using namespace std;

int main() {

/\*This is a

multiline comment\*/

cout << “Hello world!”;

return 0;

}

Switch statement

* #include <iostream>

using namespace std;

int main()

{

    int age = 42;

    switch (age) {

        case 16:

            cout << "Too young";

            break;

        case 42:

            cout << "Adult";

            break;

        case 70:

            cout << "Senior";

            break;

    }

    return 0;

}

* This prints “Adult”
* #include <iostream>

using namespace std;

int main()

{

    int choice = 0;

    cin >> choice;

    switch (choice) {

        case 1:

            cout << "Latte";

            break;

        case 2:

            cout << "Americano";

            break;

        case 3:

            cout << "Espresso";

            break;

        case 4:

            cout << "Cappuccino";

            break;

        default:

            cout << "Macchiato";

    }

    return 0;

}

* This is same as in Java. ‘default’ case don’t need a ‘break’
* Without ‘break’ statement all cases will run. This is called ‘fallthrough’