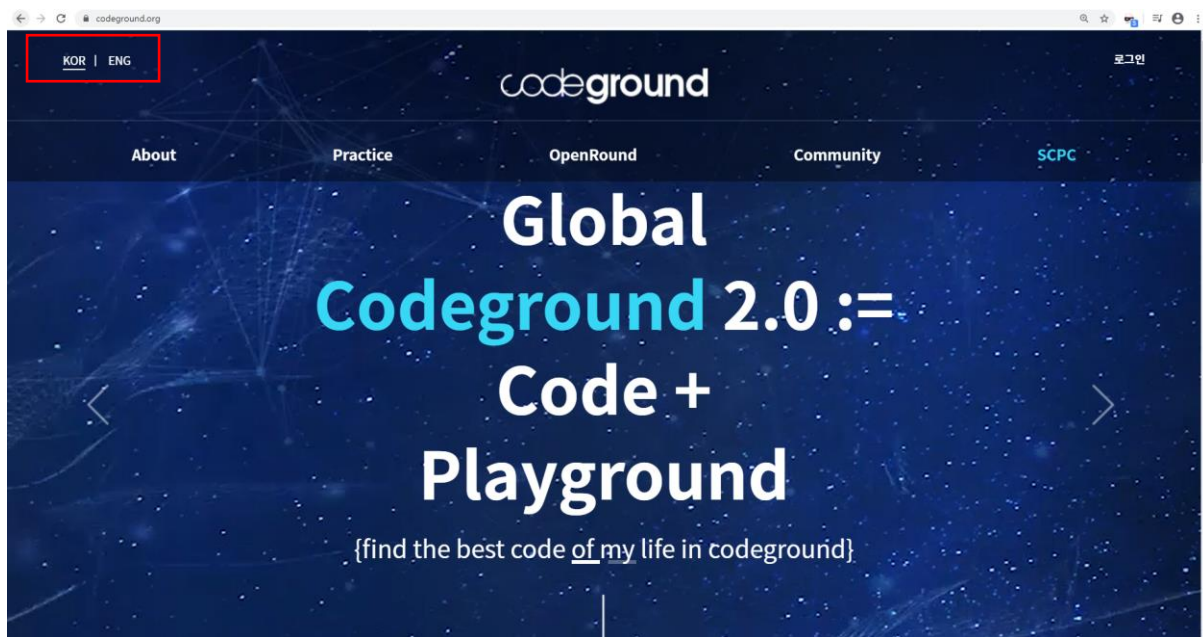


Codeground User Manual

* **Please follow the instructions below for using codeground.**

1. Log-in to Codeground (<https://codeground.org>)

- ☐ Click 'ENG' on the upper-left corner of the main page.




- ☐ After selecting ENG, Click 'Sign in' on the upper-right corner of the main page.



2. Click 'Join Us' to create an account / Click 'Sign in' button to log-in if you already have an account.

KOR | [ENG](#)



ID
Enter your email.

Password
at least 8 digits including alphanumeric and special characters

☐ Save my ID

[SIGN IN](#)

[Find my ID and password](#)
or [Join Us](#)

3. Sign up for codeground account

codeground

KOR | [ENG](#)

Join Us

You are required to verify your email address to create an account.
Please enter the required information below and click on "Join Us" to receive a verification email.
You can sign in to Codeground after email verification.

☒ I agree to Terms & Conditions (Required)
[View detail](#)

1. Objective

☒ I agree to Consent to Collection and Use of Personal Information (Required)
[View detail](#)

1. Personal Information We Collect
(1) Personal information we collect
Samsung Electronics and its affiliates ("Samsung," "we," "us," "our") collect

☒ I agree to Subscription (Optional)
[View detail](#)

1. Purpose of Subscription consent of marketing-related e-mail
We use personal information we have collected for the purposes of:
– The company may send an e-mail containing advertisement or

ID *

Please enter your email (50 characters or fewer).

Nickname *

Duplicate nickname is not allowed (20 characters or fewer).

Password *

8 to 16 characters containing alphanumeric and special characters (!@#\$\$%^*_ -)

Confirm your password *

8 to 16 characters containing alphanumeric and special characters (!@#\$\$%^*_ -)

Group

Select a group category

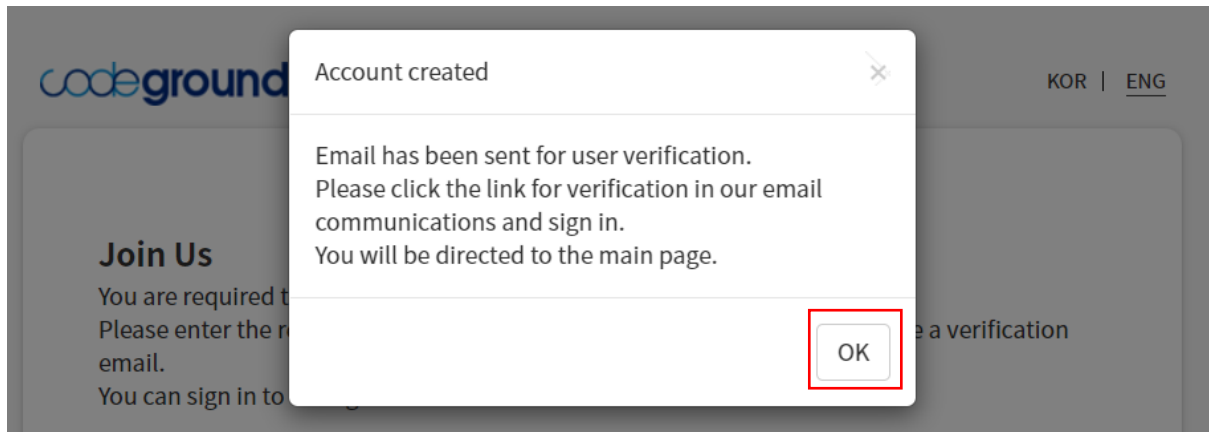
Set language & time zone

English

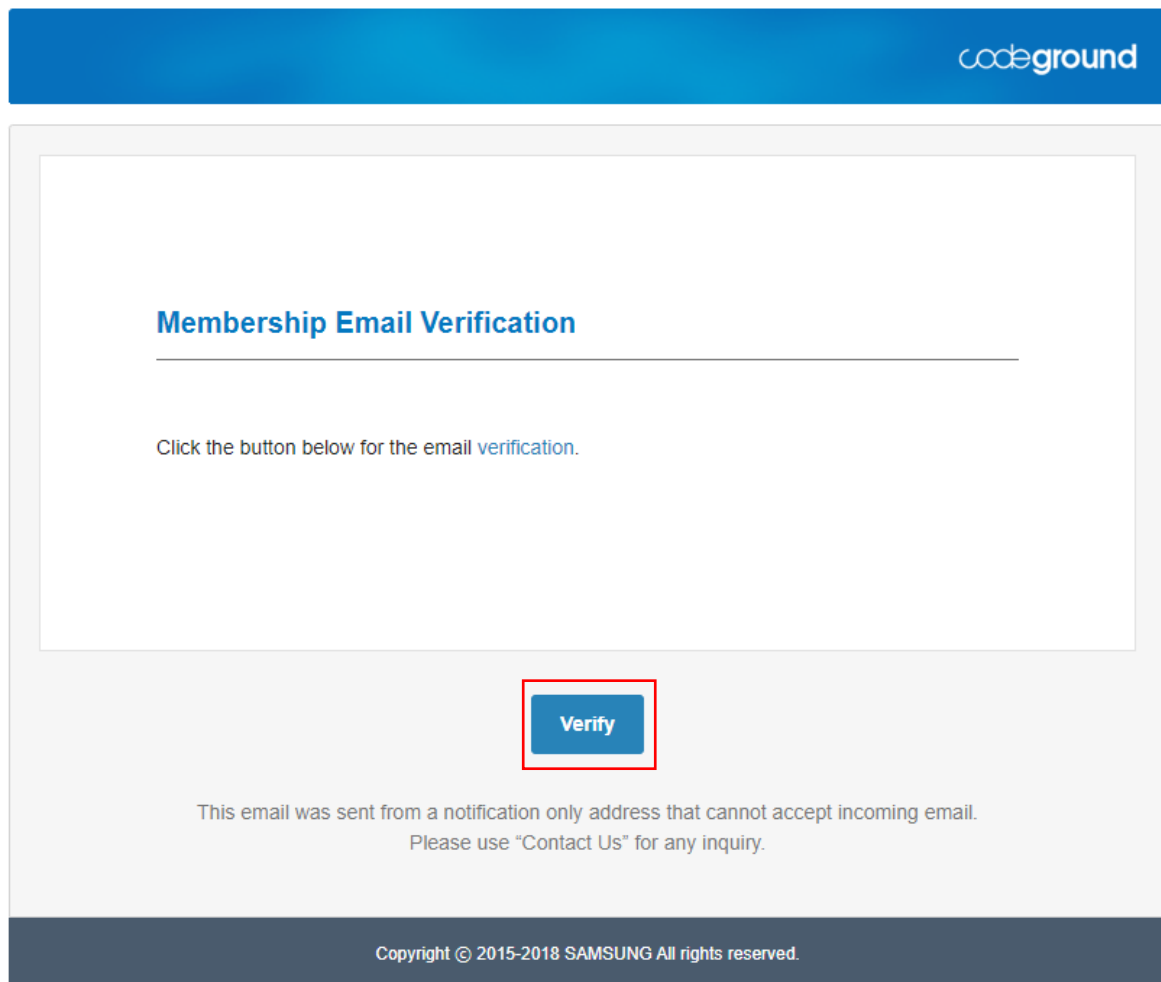
UTC-12:00

JOIN US

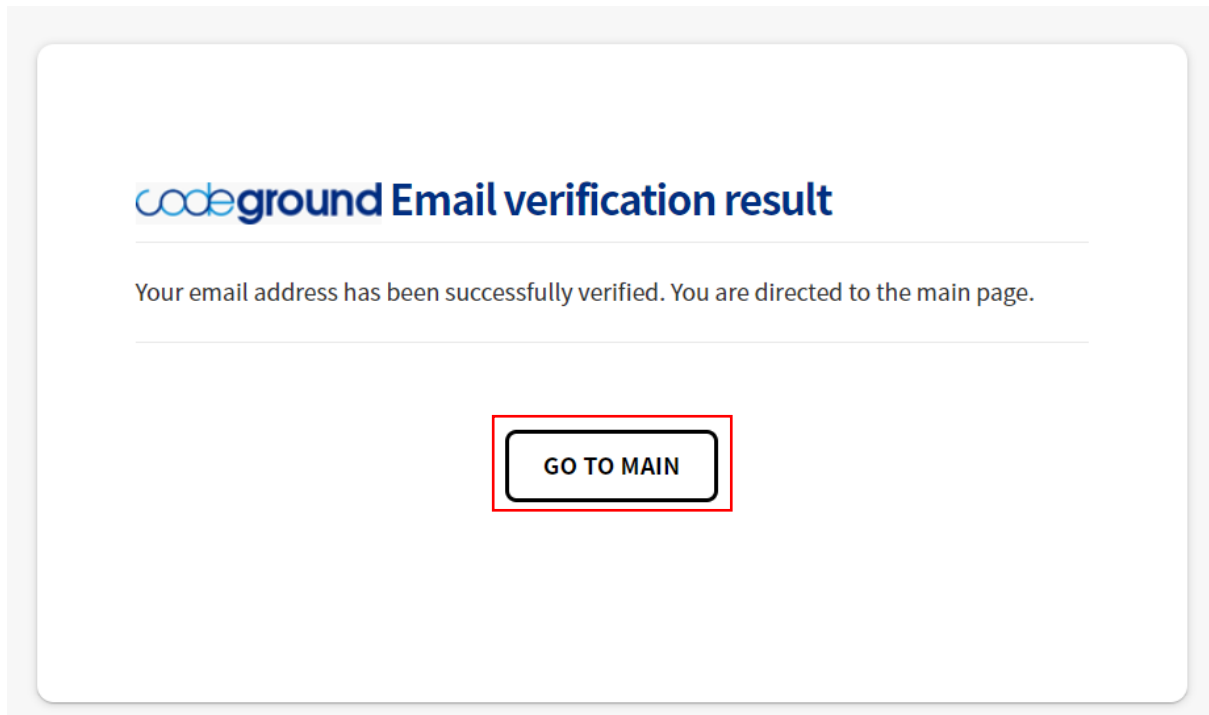
☐ Verify E-mail Account



☐ Check E-mail In-box



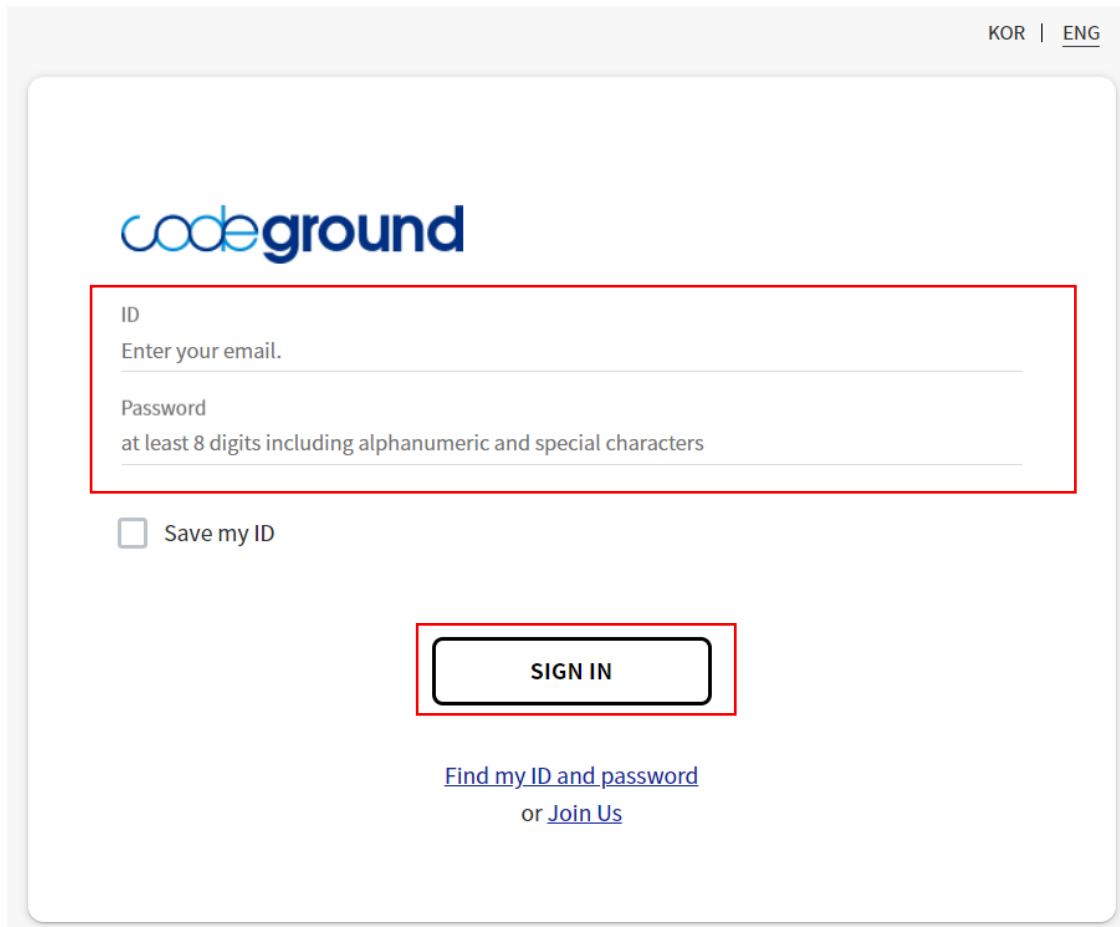
- ☐ After verification, click 'GO TO MAIN' button



4. Log in again on the codeground main page.

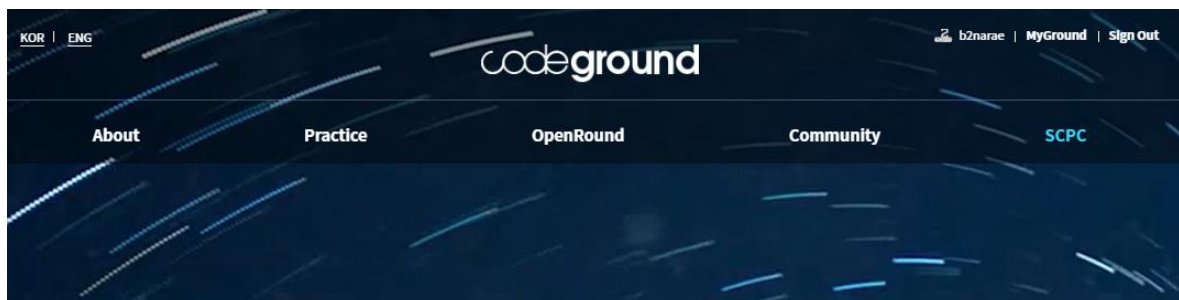


☐ Enter ID and Password



The image shows the login page of the Codeground website. At the top right, there are language links: "KOR" and "ENG". The Codeground logo is centered at the top. Below the logo, there is a red rectangular box containing the login form. Inside this box, there is an "ID" field with the placeholder text "Enter your email." and a "Password" field with the placeholder text "at least 8 digits including alphanumeric and special characters". Below the password field, there is a checkbox labeled "Save my ID". Below the red box, there is a "SIGN IN" button, also highlighted with a red rectangular box. Below the button, there are two links: "Find my ID and password" and "or Join Us".

☐ Site Description



[About] : Brief description about codeground system.

[Practice] : SCPC problems or several practice problem

[OpenRound] : Group problem registration (specific authority required)

[Community] : SCPC awards, QnA, Notice Available

[SCPC] : SCPC Award Winners

5. Solve problems

□ [Practice] – [2015~2022 SCPC Online Problem](#) or [Practice problem](#)

[About](#)[Practice](#)[OpenRound](#)[Community](#)[SCPC](#)

Home > Practice

Practice

[Codeground Note](#)[User Guide >](#)

All

ⓘ Please use "QnA" and "Contact Us" for any inquiry.

All

Please enter a problem name.

Q

No. -	Category -	Problem name -	Submitters -	Average -	Perfect score -	Status (Score) -
167	SCPC 2022 Final	Beautiful Sequence	13	0	100	
165	SCPC 2022 Final	K등분 2	1	0	100	
164	SCPC 2022 Final	Stones	5	23	100	
163	SCPC 2022 Final	Mismatch	2	100	100	
162	SCPC 2022 Online	Golden Card	1	70	300	
161	SCPC 2022 Online	Rectangle	4	39	250	
160	SCPC 2022 Online	Cooperation Game	5	51	150	
159	SCPC 2022 Online	ABC	4	30	200	
158	SCPC 2022 Online	Sequence Update	5	36	100	
157	SCPC 2022 Online	Independent	1	230	230	

◀

1

2

3

4

5

...

17

▶

☐ Problem window

The screenshot shows the Codeground Practice interface. On the left is the 'Problem window' titled 'Rap Music' with a 'Codeground Note' button. The note contains text about a music contest and a programming challenge. On the right is the code editor showing a C program. The interface includes a top navigation bar with 'My history', 'All users' history', and 'QnA' buttons. A language dropdown menu is set to 'C(8.3.0)'. At the bottom right are 'Temp save', 'Compile', and 'Submit' buttons. Red boxes and arrows highlight these features, with callouts explaining their functions.

❖ Problem Description

❖ Input Output sample File

❖ Submission history, QnA

❖ Changing Program language

❖ Saving, Compiling and Submitting code

☐ Compile result (Success)

The screenshot shows the 'Compile Result' section of the Codeground Practice interface. It displays the same C program code as the previous screenshot. Below the code, the 'Compile Result' section shows the message 'Compile completed' and 'Compile has been completed.' The 'Temp save', 'Compile', and 'Submit' buttons are still visible at the bottom right.

Compile Result

Compile completed
Compile has been completed.

☐ Compile result (Error)

```
11 #include <stdio.h>
12
13 int Answer;
14
15 int main(void)
16 {
17     int T, test_case;
18     int for_compile_error_occurs
19     /*
20      The freopen function below opens input.txt file in read only mode, and afterward,
21      the program will read from input.txt file instead of standard(keyboard) input.
22      To test your program, you may save input data in input.txt file,
23      and use freopen function to read from the file when using scanf function.
24      You may remove the comment symbols(//) in the below statement and use it.
25      But before submission, you must remove the freopen function or rewrite comment symbols(//).
26      */

```

sample_input.txt

Temp save Compile Submit

Error

Compile Error

In function 'main':

error: expected '=', ',', ';', 'asm' or '__attribute__' before 'setbuf'

setbuf(stdout, NULL);

☐ Submit code

Codeground Practice

My history All users' history QnA (1) Prev Version

Reset

Submit

Do you want to submit your source code?

Submit Close

sample_input.txt

Temp save Compile Submit

Compile Result

Compile completed

Compile has been completed.

☐ Submit code (Incorrect case)

```
13 int Answer;
14
15 int main(void)
16 {
17     int T, test_case;
18     /*
19      * The freopen function below opens input.txt file in read only mode, and afterward,
20      * the program will read from input.txt file instead of standard(keyboard) input.
21      * To test your program, you may save input data in input.txt file,
22      * and use freopen function to read from the file when using scanf function.
23      * You may remove the comment symbols(//) in the below statement and use it.
24      * But before submission, you must remove the freopen function or rewrite comment symbols(//).
25      */
26     // freopen("input.txt", "r", stdin);
```

sample_input.txt

Temp saveCompileSubmit

Submit ResultShare code

Incorrect!

Runtime : 0.00474 sec

Score : 0 Point(s)

☐ Check the list of submitted code through [My history]

Home > Practice > My history

Rap Music

Problem

My history

All users' history

QnA (1)

Date & Time -	Language -	Result -	Runtime -	Memory -	Score -	Submissions -	Code sharing -	Likes -
2020-05-11 08:04	C	Fail	0.00474	4	0	Code	-	0

1

☐ Check other's code through [All user's history]

Home > Practice > All users' history

Rap Music

Problem	My history	All users' history	QnA (1)
---------	------------	--------------------	---------

Submit Count 721	Perfect Score Count 83	Average 49	Time Out 182	Memory Over 135	C 262
C++ 200	C++ 11 28	C++ 14 126	C++ 17	Java 105	Python 0
C# 0					

Perfect scorers ▾ All ▾

Nickname ▾	Language ▾	Result ▾	Runtime ▾	Memory ▾	Score (100%) ▾	Submissions ▾	Likes ▾	Date & Time ▾
[Inactive Account]	C++ 11	Pass	0.72143	19092	300 (300)	-	0	2017-08-15 12:34
anhducle98	C++ 11	Pass	0.48895	12556	300 (300)	-	0	2017-08-13 13:52
[Inactive Account]	C++ 11	Pass	0.7868	36900	300 (300)	<code>code</code>	0	2017-08-13 10:40
[Inactive Account]	C++ 14	Pass	0.88751	36888	300 (300)	-	0	2017-08-13 10:15
비듬덩어리	C++	Pass	0.04238	12612	300 (300)	-	0	2017-08-12 20:18
비듬덩어리	C++	Pass	0.04337	12516	300 (300)	-	0	2017-08-12 20:17
kjp4155	C++ 14	Pass	0.93906	85336	300 (300)	-	0	2017-08-11 03:13
kjp4155	C++ 14	Pass	0.92273	85336	300 (300)	-	0	2017-08-11 03:13
bluefa	C++	Pass	0.63078	110408	300 (300)	-	0	2017-08-09 12:39
chemthan	C++ 14	Pass	0.5568	110400	300 (300)	-	0	2017-08-08 19:11