New CMB – a rather basic getting-started-guide

HOME PAGE		
E Public Problems		
Problem Name		
Hello World		→ Go To Problem
TDT4260 Image Optimizatio	on	→ Go To Problem
Shortest Path		→ Go To Problem
Top Forty		→ Go To Problem
Sorting		→ Go To Problem
Sigma Unique		→ Go To Problem
🎗 Public Groups		
Group Name	#Members	
CMB training 2021	2	→ Go To Group
	Taura af Uas I Dairea	v Police

Go to the web-address **climb.idi.ntnu.no**. Note that you have to be on a NTNU network or use VPN and go via vpn.ntnu.no.

You need an user account, click **Sign up**.in upper right corner (Figure 1).

Please read the CMB **privacy policy** and **terms of use**. found at the bottom of the web-page, and also mentioned at the Sign Up page (Figure 2).

You should get an e-mail from ntmu.cmb@gmail.com confirming your account. That address is being read regularly by Lasse, but not as often as his main e-mail, and you can contact him there if in a hurry or you are experiencing trouble. Do not hesitate to contact us, we are eager to get activity on the system.

Under **Profile** you can change your password or your e-mail. As you can see from user account BjarneVirtual, the CMB system will not keep uppercase letters in your username.

Sign up	Climbing Mont Blanc Home Profile	How To Logout
1 Username	PROFILE: BJARNEVIRTUAL	
Email	My Profile Username: Bjarnevirtual @ Email: lasse.natvig@gmail.com	D Channe Frankl
Confirm Email		
l Password	Old Password	Password (for user validation)
L Confirm Password	New Password New Password	Email Email
Sign up	Confirm New Password	Confirm Email
Already have an account? Log in now By clicking "Sign up", you agree to our privacy policy and terms of use.	Ter If you have any questions or are having pr	ms of Use Privacy Policy oblems using this system, please do not hesitate to contact us at truu.cmb@pasil.com.
Figure 2.		Figure 3.

Now you are ready to submit a solution to a problem, press home to see the current list of available problems. Remember also to read the How To message, **click How To**, (it will currently *not* open in a new tab or new window directly, but there is a work-around: You can open a new tab or new window for Home, and then press HowTo).

Select a problem you want to solve by pressing Go To Problem, e.g. Sorting. Read its description carefully and do a local test before submitting it to CMB. Note that most problems check your solution

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Description			_		Time		500
The task is to sort K integers in increasing order. The numbers are in the range 0100000000 and should be generated by the random number generator described at the HowTo page. The input consists of a seed. N, and a stride. The stride is used when printing the output. Print first the lowest number (index 0, then the number with index = stride, then 2*stride and so on. Example input.		•	Lasse	26.81 s	67.64 J	1813.47 Js	
		Ŧ	Bjarnevirtual	26.86 s	68.81 J	1848.34 Js	
0 100 10		Ŧ	Matlas	44.99 s	128.71 J	5790.57 Js	
Example output							
405842 6951529 13642323 22	714698 32765662 42617868 50325	216 65564984 82645824 90828720					
Browse No file selected.	to learn now to upload a solutio	n.					
Browse No file selected. Uploaded Solutions Filename	State	n. Action					
Browse No file selected. Uploaded Solutions Filename Accepted Programs	State	Action					
No file selected. Jploaded Solutions Filename Accepted Programs Filename	State Time Energy EC	Action					
No file selected. Jploaded Solutions Filename Accepted Programs Filename 0 newTEBsort	State Time Energy EE *26.86 s 68.81 J 184	Action DP Visible Profiling 8.34 js					
No file selected. Uploaded Solutions Filename Accepted Programs Filename* Ø newTEBsort * - Best visible submission on	State Time Energy EE *26.86 s 68.81 J 184 highscore list metric	Action DP Visible Profiling 8.34js ⊠ N					
No file selected. Uploaded Solutions Filename Accepted Programs Filename o newTEBsort + - Best visible submission on	State Time Energy EE *26.86 s 68.81 J 184 highscore list metric	Action DP Visible Profiling 8.34 Js ☑ N					

by doing a "diff-command", i.e. check that your result is exactly identical to our solution. Note also that for large problems, your local computer probably has a 64 bit processor, while the Odroid XU3 backend (mobile phone processor) in CMB is only 32 bit.

Select your single C++ file or zip-file (See How To) and press Upload. (Figure 4 and 5)

Press Run Program. If you want to see more details about the execution of your program press the small icon under Profiling in the rightmost column, and you will get detailed performance numbers as well as a flame graph for the execution. When the profiling is finished the icon will be replaced by a Show-button, and by pressing it you get the information (Figure 6). You get more information when doing mouse-over on the flame graph.

Submit Solution						
Remember to read the How To to learn how to upload a solution.						
Browse newTEBsort.cpp						
L Upload File						
Filename	State	Action				
	uploaded	Run Program				
Accepted Programs						
Figure 5						
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