



The 2021 Ukraine Central Contest

September 18, 2021, Kropyvnytskyi, Ukraine

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The 2021 Ukraine Central Contest took place on September 18, 2021. This year 137 teams from 41 educational institution of five central Ukrainian regions have participated in the contest.

The participating regions of the Center of Ukraine were: Kropyvnytskyi, Cherkasy, Dnipro, Kryvyi Rih, Pokrovsk, Mariupol, Kramatorsk, Poltava, Uman.

According to the reservations, the distribution of teams on sites was as follows:

Kropyvnytskyi (CUNTU)	11 teams
Kropyvnytskyi (CUSPU)	3 teams
Cherkasy (BKNUC)	7 teams
Cherkasy (CkPT)	1 team
Cherkasy (ChSTU)	1 team
Cherkasy (SCFT)	1 team
Cherkasy (PhyMLy)	4 teams
Cherkasy (ChrSS#2)	1 team
Kryvyi Rih (DUET)	4 teams
Kryvyi Rih (KDPU)	1 team
Kryvyi Rih (KNU)	14 teams
Dnipro (DUT)	2 teams
Dnipro (DNU)	7 teams
Dnipro (DNURT)	4 teams
Dnipro (DSTU)	5 teams
Dnipro (UMSF)	4 teams
Dnipro (sLIT-DNU)	4 teams
Dnipro (DRPML)	1 team
Pokrovsk (DonNTU)	2 teams
Mariupol (MMPC)	1 team

Mariupol (MPC)	1 team
Mariupol (DSUM)	2 teams
Mariupol (MSU)	2 teams
Mariupol (PSTU)	3 teams
Mariupol (MG#27)	1 team
Poltava (PPC)	4 teams
Poltava (NUPP)	1 team
Poltava (PNPU)	2 teams
Poltava (PSAU)	2 teams
Poltava (PRSBL)	6 teams
Poltava (PL#1)	1 team
Uman (TBEC)	1 team
Uman (UNUH)	1 team
Uman (USPU)	5 teams
Kramatorsk (DTSDSEA)	2 teams
Kramatorsk (SCNAU)	6 teams
Kramatorsk (DSEA)	16 teams
Kramatorsk (DSPU)	1 team
Kramatorsk (KSS#25)	1 team
Kramatorsk (HSK#22)	1 team

The set of tasks for all sites was the same.

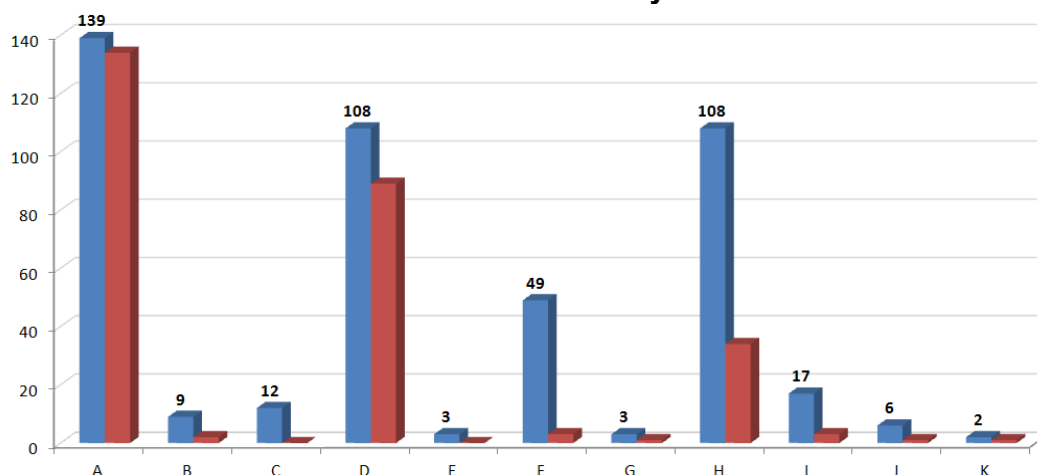
The scoreboard indicating the current standings of teams was maintained by e-judge system, and can be found [here](#).

The contest for the Center of Ukraine was conducted with the help of e-judge system <https://olymp.org.ua/>. This year there weren't problems with the server.

The distribution of correct solutions of contest tasks across Ukraine Central Contest this year is as follows (see in tabular and in graph forms):

Task	A	B	C	D	E	F	G	H	I	J	K	L
Total:	139	9	12	108	3	49	3	108	17	6	2	119
Success:	134	2	0	89	0	3	1	34	3	1	1	83
%:	96,4	22,2	0,0	82,4	0,0	6,1	33,3	31,5	17,6	16,7	50,0	69,7

Solutions distribution by tasks



The list of student's and school teams with their results is described below.

Kropyvnytskyi

The results of the teams related to this site are:

Place	User	Total	Penalty
1	CUSPU_return_NULL&No_Name	4	483
2	CNTU_RANDOM	3	266
3	CUSPU_team	3	372
4	CNTU_IT's cats	2	211
5	CNTU_CyberSun2.0	2	237
6	CNTU_KIM2	2	240
7	CUSPU_KN19	2	263
8	CNTU_KIM1	2	286
9	CNTU_Raiders	2	311
10	CNTU_Businki	1	7
11	CNTU_PNK	1	8
12	CNTU_Incapsulated_code	1	25
13	CNTU_LEGEND	2	428
14	CNTU_WhereDatnet	1	36

Kryvyi Rih

The results of the teams related to this site are:

Place	User	Total	Penalty
1	KNU_ASD	4	440
2	DUET_IPPZ_22	4	825
3	DUET_IPPZ_4_5	4	878
4	DUET_IPPZ_3	4	933
5	DUET_IPPZ_21	4	945
6	KNU_Dayosh_Molodyozh	3	211
7	KNU_TeamIPZ-19-1	3	215
8	KNU_Cyber_Ants	3	245
9	KNU_Slaves	3	273
10	KNU_Dungeon_Masters	3	357
11	KNU_Jabroni	3	582
12	KNU_Quantum	3	741
13	KNU_lieder	3	998
14	KNU_Error_404	2	301
15	knu_bulb	2	591
16	KNU_W_N_T	1	46
17	KNU_Sleeping_Cucumbers	1	62
18	KNU_Black_Hole	1	159
19	KDPU_SaDi	1	221

Dnipro

The results of the teams related to this site are:

Place	User	Total	Penalty
1	Dnipro_politeh_uncleBohd	4	106
2	DSTU_Code_With_Fun	4	211
3	DSTU_PROFILER	4	245
4	DNU_Yellow_Orange	4	311
5	DNU_DDOSToevsky	4	690
6	DNU_gachitelepuziki	4	758
7	Dnipro_politeh_PZKS	4	997
8	DNURT_HVT	3	209
9	DSTU_Compiler	3	319
10	DNU_PZ-21	3	343
11	DNURT_ZXC	3	445
12	DNURT_ANONYMUS	3	496
13	DNURT_What	3	578
14	UMSF_Commandors	2	47
15	UMSF_Yakor	2	99
16	DNU_NoName	2	164
17	DSTU_DEBUGGER	2	179
18	DNU_Dudes	2	287
19	UMSF_DeadDynasty	1	21
20	UMSF_Umbrella	1	21
21	DNU_Rednecks	1	80
22	DSTU_Brilliance	1	101

School division

Place	User	Total	Penalty
1	sLIT-DNU_1	4	268
2	sLIT-DNU_FiNiX	4	700
3	sLIT-DNU_SoNY	3	314
4	sDRPML	2	120
5	sLIT-DNU_MiNaGer	1	205

Poltava

The results of the teams related to this site are:

Place	User	Total	Penalty
1	cPPC_Polytechnic_3	4	1344
2	NUPP_BrainDamage	3	320
3	PSAU-"404"	3	330
4	cPPC_Polytechnic_1	2	200
5	PNPU_SZPS	1	39
6	PNPU_HMPS	1	67
7	cPPC_Polytechnic_2	1	69
8	PSAU-126IST2021	0	0
9	cPPC_Polytechnic_4	0	0

School division

Place	User	Total	Penalty
1	sPolit-1	10	715
2	sPolit-2	7	837
3	sPolit-3	6	424
4	sPolit-4	4	63
5	sPolit-5	4	71
6	sPolit-7	4	264
7	sPL1_FireWood	4	385

Cherkasy

The results of the teams related to this site are:

Place	User	Total	Penalty
1	BKNUC Supernova	4	59
2	BKNUC DungeonMasters	4	673
3	BKNUC CuteUnicorn	4	702
4	BKNUC DKS	3	207
5	BKNUC Hardcoders	3	299
6	BKNUC Locomotive	3	427
7	cSCFT_Domino	3	430
8	ChSTU_ZASPANI	2	119
9	BKNUC CCSS	2	289
10	cCkPT DreamTeam	1	80

School division

Place	User	Total	Penalty
1	sPhyMLy Boys next door	4	464
2	sPhyMLy Incore	4	497
3	sPhyMLy Technology officers	3	512
4	sPhyMLy Dungeon Masters	2	181
5	sChrSS#2 Black cats	1	11

Uman

The results of the teams related to this site are:

Place	User	Total	Penalty
1	USPU_MAYBE_YES	3	1038
2	USPU_FIPO	2	388
3	UNUH_UNUS	1	36
4	cTBEC_BORZYAKY	1	270
5	USPU_Ghost	0	0
6	USPU_merciless	0	0
7	USPU_MAYBE_NO	0	0

Mariupol

The results of the teams related to this site are:

Place	User	Total	Penalty
1	PSTU-triplet	3	338
2	PSTU-ThreeWireless	2	49
3	MSU-double-2021	2	276
4	DSUM_WhatIfElse	2	398
5	cMPC	2	412
6	DSUMnew2021	2	523
7	MSU-brainy-2021	1	4
8	PSTU-Pepacode	1	190
9	cMMPC-PSTU-Nicebytes	1	200

School division

Place	User	Total	Penalty
1	sMariupolGymnasium27-ALGO10	4	171

Pokrovsk

The results of the teams related to this site are:

Place	User	Total	Penalty
1	DonNTU_LIFO	3	528
2	DonNTU_LTDL	1	94

Kramatorsk

The results of the teams related to this site are:

Place	User	Total	Penalty
1	DSEA:Dedsec	4	616
2	DSEA:Academics	4	781
3	DSEA:Ecowater	4	858
4	DSEA:Academics2.0	3	203
5	cSCNAU:Runespoor	3	440
6	DSEA:Analysts	3	570
7	DSEA:Dreamers	3	586
8	DSEA:ALPHA	3	596
9	DSEA:ComputerWorms	3	631
10	DSEA:Konoha	3	641
11	cSCNAU:NeSharim	3	680
12	DSEA:Darksiders	2	232
13	cSCNAU:Start_Junior	2	331
14	cDTSDSEA:DPC	2	353
15	DSEA:OvermindKIT	2	365
16	cSCNAU:NewGames	2	418
17	cDTSDSEA:Ethyl_Warriors	2	428
18	DSEA:RpzGang	2	634
19	cSCNAU:CloudBear	1	16
20	DSPU:fmddpu	1	21
21	DSEA:LoTuS	1	29
22	DSEA:Red_Eyes	1	76
23	DSEA:DSW	1	116
24	DSEA:OneTaskTeam	1	153
25	cSCNAU:GraveDiggers	1	273

School division

Place	User	Total	Penalty
1	sKSS:School25	2	25
2	sHSK22:Robotech	2	239

**The absolute results
for the 2021 Ukraine Central Contest are as follows:**

Student's division (main)

Kirovograd Region (Kropyvnytskyi)

Place	User	Institution	Total	Penalty
1	CUSPU_return_NULL&No_Nam	Volodymyr Vynnychenko Central Ukrainian State Pedagogical University	4	483
2	CNTU_RANDOM	Central Ukrainian National Technical University	3	266
3	CUSPU_team	Volodymyr Vynnychenko Central Ukrainian State Pedagogical University	3	372

Dnipropetrovsk Region (Dnipro, Kryvyi Rih)

Place	User	Institution	Total	Penalty
1	Dnipro_politeh_uncleBohd	Dnipro University of Technology	4	106
2	DSTU_Code_With_Fun	Dniprovsk State Technical University	4	211
3	DSTU_PROFILER	Dniprovsk State Technical University	4	245

Poltava Region

Place	User	Institution	Total	Penalty
1	cPPC_Polytechnic_3	Poltava Polytechnical College by National Technical University 'Kharkov Polytechnical Institute'	4	1344
2	NUPP_BrainDamage	National University Yuri Kondratyuk Poltava Politechnic	3	320
3	PSAU-"404"	Poltava State Agrarian Academy	3	330

Cherkasy Region

Place	User	Institution	Total	Penalty
1	BKNUC Supernova	Bohdan Khmelnytsky National University of Cherkasy	4	59
2	BKNUC DungeonMasters	Bohdan Khmelnytsky National University of Cherkasy	4	673
3	BKNUC CuteUnicorn	Bohdan Khmelnytsky National University of Cherkasy	4	702

Donetsk Region (Kramatorsk, Mariupol, Pokrovsk)

Place	User	Institution	Total	Penalty
1	DSEA:Dedsec	Donbass State Engineering Academy	4	616
2	DSEA:Academics	Donbass State Engineering Academy	4	781
3	DSEA:Ecowater	Donbass State Engineering Academy	4	858

School division

Place	User	Institution	Total	Penalty
1	sPolit-1	Poltava Regional Scientific Boarding Lyceum of II-III degrees at Kremenchuk Pedagogical College named after A.S. Makarenko	10	715
2	sPolit-2	Poltava Regional Scientific Boarding Lyceum of II-III degrees at Kremenchuk Pedagogical College named after A.S. Makarenko	7	837
3	sPolit-3	Poltava Regional Scientific Boarding Lyceum of II-III degrees at Kremenchuk Pedagogical College named after A.S. Makarenko	6	424
4	s_Mariupol Gymnasium27-ALGO10	Mariupol Gymnasium #27	4	171
5	sLIT-DNU_1	Dnipro Lyceum of Information Technology	4	268
6	sPhyMLy Boys next door	Cherkasy Physics and Mathematics Lyceum	4	464
7	sKSS:School25	Kramatorsk Secondary School I-III Degrees #25 with profile education	2	25

Finally, the program of the contest was as follows:

Date/time	Action
September 18, 2021 9:00 – 9:45	Opening procedure
September 18, 2021 10:00 – 15:00	Main contest
September 18, 2021 15:15 – 15:45	Tasks solution discussion
September 18, 2021 16:00 – 16:30	Awarding procedure

Our coordinators and ejudge system administrator deserve special awards for their efforts. We would like to thank all of them for their hard work to bring the contest at its full light.

This year coordinators are:

Kropyvnytskyi site:

Central Ukrainian National Technical University (Oleksandr Dorenskyi, dorensky@ukr.net)

Cherkasy site:

Bohdan Khmelnytsky National University of Cherkasy (Ilya Porublyov, ck.stud.ol@gmail.com)

Kryvyi Rih site:

Kryvyi Rih National University (Andrii Striuk, andrey.n.stryuk@gmail.com)

Dnipro site:

Oles Honchar Dnipro National University (Oleksandr Khyzha, alkhizha@gmail.com)

Pokrovsk site:

Donetsk National Technical University (Sergii Tsololo, s.solos@gmail.com)

Mariupol site:

Pryazovskyi State Technical University (Anastasiia Serhienko, invitery@i.ua)

Poltava site:

National University Yuri Kondratyuk Poltava Politechnic (Maksym Demydenko, maxx74@ukr.net)

Uman site:

Pavlo Tychyna Uman State Pedagogical University (Serhii Parshukov, parshukoff@udpu.edu.ua)

Kramatorsk site:

Donbass State Engineering Academy (Oleksandr Melnykov, alexandr@melnikov.in.ua)

Ejudge system administrator: Sergii Petrov (Sumy State University, s.petrov@cs.sumdu.edu.ua)
