

Guess the Code

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Abstract:

Guess the Code is a classroom project and a method of teaching computational thinking, programming and using application. While we learn basic knowledge of how to use application, we try to guess the data structure, the algorithms of that application. We test the program, we discuss about the application as we were the programmer or the developer.

Contents and practical implementation (exhibition, discussion, ...):

On the workshop we imitate a lesson. Participants get some problem and they try to solve it. In the second half of the workshop we discuss the programming aspects of the problems.

Some example of problems:

- Can you write 2^2 into a spreadsheet's cell? What there are in these cells?

	A	B	C
1	a^2	2^2	2 m^2

- If you copy a text with links to a spreadsheet, the links are saved. How can you extract the links?

	A	B	C	D	E	F
1	Video Clips Working Group: HST2009					
2						
3	Title	Topic	Rating	Comment	Classroom use	Content covered
4	"A passion for precision"			Video would not play.		
5	"Can Antimatter be stolen?" with Rolf Landua	Antimatter	excellent/excellent	short and to the point	Modern Physics	Antimatter(0-00:56)
6	"Do we make antimatter at	Antimatter	excellent/excellent	short and to the point	Modern Physics	Antimatter and accelerator

- How does the MATCH() function find the searched value?

F4:

	A	B	C	D	E	F
1	lookup value	lookup array				
2	5			=MATCH(A2;C3:C11;match_type)		
3		1.	6	match type	result	
4		2.	4	1	6	
5		3.	5	0	3	
6		4.	3	-1	1	
7		5.	4			
8		6.	4			
9		7.	7			
10		8.	9			
11		9.	3			

	Hétfő 2016. 09. 19.	Kedd 2016. 09. 20.
07:00		
07:30		
08:00	Inf_Ba11_Szt: informatika szaklőr	Inf_5 szak
08:30	08:30 - 09:15	08:30 - 12:30
09:00	8.a2-inf-Szt: informatika	Foglalkozások, tanítási órák előkészítése
09:30	09:30 - 10:15	
10:00	7.b2-inf-Szt: informatika	
10:30	10:30 - 11:15	
11:00	12.a1-inf-Szt: informatika	
11:30	11:30 - 12:30	
12:00	Foglalkozások, tanítási órák előkészítése	
12:30	12:35 - 19:20	12:35 - 19:20
13:00	13.e2-inf-Szt: informatika	7.b1-inf-Szt: informatika
19:30		

- How are my working hours counted?
... And when does the Coffe break start? Is there a 20 minutes presentation on the ISSEP conference?

