

Perugia calendar

2019

DeepText

Print the factorial of 2019

say [*] 1..2019

Jan	M	T	W	T	F	S	S
1		1	2	3	4	5	6
2	7	8	9	10	11	12	13
3	14	15	16	17	18	19	20
4	21	22	23	24	25	26	27
5	28	29	30	31			

Compute the 2019th prime number

((1..*).grep: *.is-prime)[2018]

Feb	M	T	W	T	F	S	S
5					1	2	3
6	4	5	6	7	8	9	10
7	11	12	13	14	15	16	17
8	18	19	20	21	22	23	24
9	25	26	27	28			

Print the area of a circle

say $\pi \times \$r^2$

Mar	M	T	W	T	F	S	S
9					1	2	3
10	4	5	6	7	8	9	10
11	11	12	13	14	15	16	17
12	18	19	20	21	22	23	24
13	25	26	27	28	29	30	31

Implement the Sleep sort algorithm

```
await gather for @data -> $d {  
    take start {  
        sleep $d;  
        say $d;  
    }  
}  
}
```

Apr	M	T	W	T	F	S	S
14	1	2	3	4	5	6	7
15	8	9	10	11	12	13	14
16	15	16	17	18	19	20	21
17	22	23	24	25	26	27	28
18	29	30					

Compute the sum of all digits
in the numbers from 1 up to 2019

([~] ^2020).comb.sum

May	M	T	W	T	F	S	S
18			1	2	3	4	5
19	6	7	8	9	10	11	12
20	13	14	15	16	17	18	19
21	20	21	22	23	24	25	26
22	27	28	29	30	31		

Generate a random password

('0'..'z').pick(15).join

Jun	M	T	W	T	F	S	S
22						1	2
23	3	4	5	6	7	8	9
24	10	11	12	13	14	15	16
25	17	18	19	20	21	22	23
26	24	25	26	27	28	29	30

Print an exact zero

say $0.1 + 0.2 - 0.3$

Jul	M	T	W	T	F	S	S
27	1	2	3	4	5	6	7
28	8	9	10	11	12	13	14
29	15	16	17	18	19	20	21
30	22	23	24	25	26	27	28
31	29	30	31				

Generate a random integer number below 2019

2019.rand.Int.say

Aug	M	T	W	T	F	S	S
31				1	2	3	4
32	5	6	7	8	9	10	11
33	12	13	14	15	16	17	18
34	19	20	21	22	23	24	25
35	26	27	28	29	30	31	

Increment all elements of an array by 2019

@data <<+=>> 2019

Sep	M	T	W	T	F	S	S
35							1
36	2	3	4	5	6	7	8
37	9	10	11	12	13	14	15
38	16	17	18	19	20	21	22
39	23	24	25	26	27	28	29
40	30						

What's the date today?

DateTime.now.yyyy-mm-dd

Oct	M	T	W	T	F	S	S
40		1	2	3	4	5	6
41	7	8	9	10	11	12	13
42	14	15	16	17	18	19	20
43	21	22	23	24	25	26	27
44	28	29	30	31			

List the numbers of a product table

1..10 X* 1..10

Nov	M	T	W	T	F	S	S
44					1	2	3
45	4	5	6	7	8	9	10
46	11	12	13	14	15	16	17
47	18	19	20	21	22	23	24
48	25	26	27	28	29	30	

Tell if it's winter

`$month == 1 | 2 | 12`

Dec	M	T	W	T	F	S	S
48							1
49	2	3	4	5	6	7	8
50	9	10	11	12	13	14	15
51	16	17	18	19	20	21	22
52	23	24	25	26	27	28	29
1	30	31					