CSE 422- Studio 11

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2. it would print out the size as 2000.

[120.788902] The parameter is 2000

1. 1)4096

(2)32

(3)128



pi@raspberrypi:~ $ dmesg

[  406.687089] simple module initialized

[  406.687116] The parameter is 2000

[  406.687116] The size of struct is 32

[  423.837866] simple module is being unloaded

pi@raspberrypi:~ $ getconf PAGE\_SIZE

4096

param = 4000

pi@raspberrypi:~ $ dmesg

[ 6114.413387] simple module initialized

[ 6114.413431] number: 5

[ 6114.413431] The interval sencond is 0,the interval msecond is 28385

[ 6125.870739] simple module is being unloaded

param = 2000

pi@raspberrypi:~ $ dmesg

[ 6460.960164] simple module initialized

[ 6460.960768] number: 4

[ 6460.960794] The interval sencond is 0,the interval msecond is 25000

[ 6463.943536] simple module is being unloaded

param = 1000

[ 6534.436865] simple module initialized

[ 6534.436904] number: 3

[ 6534.436904] The interval sencond is 0,the interval msecond is 21927

[ 6538.451173] simple module is being unloaded

5.

para = 2000

[ 7069.894847] simple module initialized

[ 7069.894869] number: 4

[ 7069.898109] The interval sencond is 0,the interval msecond is 3233697

[ 7074.036254] simple module is being unloaded

param = 4000

[ 7150.388889] simple module initialized

[ 7150.393379] number: 5

[ 7150.393380] The interval sencond is 0,the interval msecond is 4463750

[ 7156.051485] simple module is being unloaded

param = 1000

[ 7183.032741] simple module initialized

[ 7183.033701] number: 3

[ 7183.033701] The interval sencond is 0,the interval msecond is 942136

[ 7186.331435] simple module is being unloaded

6.

Param = 1000

The interval sencond is 0,the interval msecond is 1104635

param = 2000

The interval sencond is 0,the interval msecond is 1880468

Param = 4000

The interval sencond is 0,the interval msecond is 4475467

7.

As param increase, the time interval increases,

For different allocation strategy, Page allocation has the smallest allocation time, because this method allocated by page size. Slab allocation method has the second smallest allocation time. Kmalloc allocation method has the largest allocation time, since this method allocated by struct size.