

Challenge Name: Deez Nuts

Description: *You ever just look at a coconut and think, “What if it’s hiding a flag?”*

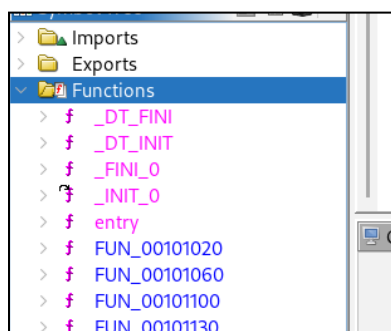
Well basically a really simple baby challenge, you are provided with an ELF binary called coconut.

Running this basically just prints the lyrics of “The Coconut Song”, line by line endlessly. There is no user input or flag check.

```
(rigalis@Kali)-[~/Downloads]
$ ./coconut
Welcome to DA COCONUT NUT CHALLENGE!
Sing along by pressing Enter for every lyric line...

The coconut nut is a giant nut
If you eat too much, you'll get very fat
Now, the coconut nut is a big, big nut
But this delicious nut is not a nut
It's the coco fruit
Of the coco tree
From the coco palm family
There are so many uses of the coconut tree
You can build a big house for the family
█
```

Using strings or ltrace doesn't provide anything useful either. Launching this binary in Ghidra, you will see it is stripped but has very few functions. But even by digging through the functions, there is no flag or relevant information.



This should hint that the something useful is hidden in the read only data, hence digging through the .rodata, scrolling down through the lyrics you find the flag, hidden in the raw representation.

Even better simply using a hex editor or just xxd, reveals the flag immediately.

		DAT_00102440		
00102440	44	??	44h	D
00102441	00	??	00h	
00102442	4a	??	4Ah	J
00102443	00	??	00h	
00102444	53	??	53h	S
00102445	00	??	00h	
00102446	49	??	49h	I
00102447	00	??	00h	
00102448	53	??	53h	S
00102449	00	??	00h	
0010244a	41	??	41h	A
0010244b	00	??	00h	
0010244c	43	??	43h	C
0010244d	00	??	00h	
0010244e	41	??	41h	A
0010244f	00	??	00h	
00102450	7b	??	7Bh	{

```

00002400: 7061 6c6d 2066 616d 696c 7900 5468 6520  palm family.The
00002410: 636f 636f 6e75 7420 776f 6f64 2069 7320  coconut wood is
00002420: 7665 7279 2067 6f6f 6400 4f6c 6521 0000  very good.Ole! ..
00002430: 0000 0000 0000 0000 0000 0000 0000 0000  .....
00002440: 4400 4a00 5300 4900 5300 4100 4300 4100  D.J.S.I.S.A.C.A.
00002450: 7b00 6e00 6f00 5f00 6300 3000 6300 3000  {.n.o._c.0.c.0.
00002460: 6e00 7500 7400 7300 5f00 6a00 7500 7300  n.u.t.s._j.u.s.
00002470: 7400 2000 6800 3300 7800 5f00 6200 7200  t. .h.3.x._b.r.
00002480: 7500 6800 7d00 0000 011b 033b 2c00 0000  u.h.} ... .. ;, ...

```

Flag: DJSISACA{no_c0c0nuts_just h3x_bruh}