9.

hashcat -a 0 hash phpbb.txt --force

```
bbr@EME17-G7064PKR:~/Documents/WSO2/2_Information_Security_Concepts/Answers/9$ hashcat -a 0 hash phpbb.txt --force
hashcat (v5.1.0) starting...

OpenCL Platform #1: The pocl project
====================================
* Device #1: pthread-Intel(R) Core(TM) i5-6200U CPU @ 2.30GHz, 2048/5794 MB allocatable, 4MCU

Hashes: 1 digests; 1 unique digests, 1 unique salts
Bitmaps: 16 bits, 65536 entries, 0x0000ffff mask, 262144 bytes, 5/13 rotates
Rules: 1

Applicable optimizers:
* Zero-Byte
* Early-Skip
* Not-Salted
* Not-Iterated
* Single-Hash
* Single-Salt
* Raw-Hash

Minimum password length supported by kernel: 0
Maximum password length supported by kernel: 256

ATTENTION! Pure (unoptimized) OpenCL kernels selected.
This enables cracking passwords and salts > length 32 but for the price of drastically reduced performance.
If you want to switch to optimized OpenCL kernels, append -O to your commandline.

Watchdog: Hardware monitoring interface not found on your system.
Watchdog: Temperature abort trigger disabled.

* Device #1: build_opts '-cl-std=CL1.2 -I OpenCL -I /usr/share/hashcat/OpenCL -D LOCAL_MEM_TYPE=2 -D VENDOR_ID=64 -D CUDA_ARCH=0 -D AMD_
ROCM=0 -D VECT_SIZE=8 -D DEVICE_TYPE=2 -D DGST_R0=0 -D DGST_R1=3 -D DGST_R2=2 -D DGST_R3=1 -D DGST_ELEM=4 -D KERN_TYPE=0 -D _unroll'
* Device #1: Kernel m00000_a0-pure.83a009ea.kernel not found in cache! Building may take a while...
Dictionary cache built:
* Filename..: phpbb.txt
* Passwords.: 184389
* Bytes.....: 1574338
* Keyspace..: 184389
* Runtime...: 0 secs

3c2223212b6dde34bcf86b580bdb71d4:woohooyeah

Session..........: hashcat
Status...........: Cracked
Hash.Type........: MD5
Hash.Target......: 3c2223212b6dde34bcf86b580bdb71d4
Time.Started.....: Wed Jul 28 20:40:06 2021 (0 secs)
Time.Estimated...: Wed Jul 28 20:40:06 2021 (0 secs)
Guess.Base.......: File (phpbb.txt)
Guess.Queue......: 1/1 (100.00%)
Speed.#1.........:   304.6 kH/s (0.34ms) @ Accel:1024 Loops:1 Thr:1 Vec:8
Recovered........: 1/1 (100.00%) Digests, 1/1 (100.00%) Salts
Progress.........: 28672/184389 (15.55%)
Rejected.........: 0/28672 (0.00%)
Restore.Point....: 24576/184389 (13.33%)
Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:0-1
Candidates.#1....: xebazok -> void

Started: Wed Jul 28 20:39:55 2021
Stopped: Wed Jul 28 20:40:07 2021
```

Craked value is : 3c2223212b6dde34bcf86b580bdb71d4:**woohooyeah**

```
bbr@EME17-G7064PKR:~/Documents/WSO2/2_Information_Security_Concepts/Answers/9$ hashcat -a 0 hash phpbb.txt --force --show
3c2223212b6dde34bcf86b580bdb71d4:woohooyeah
```