PS E:\RISCV - MENTORSHIP TASK> & C:/Users/nirma/AppData/Local/Programs/Python/Python313/python.exe "e:/RISCV - MENTORSHIP TASK/pmp\_check.py"

Usage: python pmp\_check.py <pmp\_config\_file> <address> <privilege\_mode> <operation>

PS E:\RISCV - MENTORSHIP TASK> ***python pmp\_check.py pmp\_configuration.txt 0xdeadbeef M R***

PMP Entry 0: A=0, R=0, W=0, X=0, addr=0x300000000

PMP Entry 1: A=0, R=0, W=0, X=0, addr=0x300000004

PMP Entry 2: A=0, R=0, W=0, X=0, addr=0x30000000c

PMP Entry 3: A=0, R=0, W=0, X=0, addr=0x30000001c

PMP Entry 4: A=0, R=0, W=0, X=0, addr=0x30000003c

PMP Entry 5: A=0, R=0, W=0, X=0, addr=0x30000007c

PMP Entry 6: A=0, R=0, W=0, X=0, addr=0x3000000fc

PMP Entry 7: A=0, R=0, W=0, X=0, addr=0x3000001fc

PMP Entry 8: A=0, R=1, W=0, X=0, addr=0x3000003fc

PMP Entry 9: A=0, R=0, W=0, X=0, addr=0x3000007fc

PMP Entry 10: A=0, R=0, W=0, X=0, addr=0x300000ffc

PMP Entry 11: A=0, R=0, W=0, X=0, addr=0x300001ffc

PMP Entry 12: A=0, R=0, W=0, X=0, addr=0x300003ffc

PMP Entry 13: A=0, R=0, W=0, X=0, addr=0x300007ffc

PMP Entry 14: A=0, R=0, W=0, X=0, addr=0x30000fffc

PMP Entry 15: A=0, R=0, W=0, X=0, addr=0x30001fffc

PMP Entry 16: A=0, R=1, W=1, X=0, addr=0x30003fffc

PMP Entry 17: A=0, R=0, W=0, X=0, addr=0x30007fffc

PMP Entry 18: A=0, R=0, W=0, X=0, addr=0x3000ffffc

PMP Entry 19: A=0, R=0, W=0, X=0, addr=0x3001ffffc

PMP Entry 20: A=0, R=0, W=0, X=0, addr=0x3003ffffc

PMP Entry 21: A=0, R=0, W=0, X=0, addr=0x3007ffffc

PMP Entry 22: A=0, R=0, W=0, X=0, addr=0x300fffffc

PMP Entry 23: A=0, R=0, W=0, X=0, addr=0x301fffffc

PMP Entry 24: A=0, R=1, W=1, X=1, addr=0x303fffffc

PMP Entry 25: A=0, R=0, W=0, X=0, addr=0x307fffffc

PMP Entry 26: A=0, R=0, W=0, X=0, addr=0x30ffffffc

PMP Entry 27: A=0, R=0, W=0, X=0, addr=0x31ffffffc

PMP Entry 28: A=0, R=0, W=0, X=0, addr=0x33ffffffc

PMP Entry 29: A=0, R=0, W=0, X=0, addr=0x37ffffffc

PMP Entry 30: A=0, R=0, W=0, X=0, addr=0x3bffffffc

PMP Entry 31: A=0, R=0, W=0, X=0, addr=0x3c0000000

PMP Entry 32: A=1, R=1, W=1, X=1, addr=0x3c0000004

Checking TOR: [0x3c0000000, 0x3c0000004)

PMP Entry 33: A=0, R=0, W=0, X=0, addr=0x3c000000c

PMP Entry 34: A=0, R=0, W=0, X=0, addr=0x3c000001c

PMP Entry 35: A=0, R=0, W=0, X=0, addr=0x3c000003c

PMP Entry 36: A=0, R=0, W=0, X=0, addr=0x3c000007c

PMP Entry 37: A=0, R=0, W=0, X=0, addr=0x3c00000fc

PMP Entry 38: A=0, R=0, W=0, X=0, addr=0x3c00001fc

PMP Entry 39: A=0, R=0, W=0, X=0, addr=0x3c00003fc

PMP Entry 40: A=3, R=1, W=1, X=1, addr=0x3c00007fc

Checking NAPOT: Base=0x3c00007fc, Size=0x2

PMP Entry 41: A=0, R=0, W=0, X=0, addr=0x3c0000ffc

PMP Entry 42: A=0, R=0, W=0, X=0, addr=0x3c0001ffc

PMP Entry 43: A=0, R=0, W=0, X=0, addr=0x3c0003ffc

PMP Entry 44: A=0, R=0, W=0, X=0, addr=0x3c0007ffc

PMP Entry 45: A=0, R=0, W=0, X=0, addr=0x3c000fffc

PMP Entry 46: A=0, R=0, W=0, X=0, addr=0x3c001fffc

PMP Entry 47: A=0, R=0, W=0, X=0, addr=0x3c003fffc

PMP Entry 48: A=3, R=1, W=1, X=1, addr=0x3c007fffc

Checking NAPOT: Base=0x3c007fffc, Size=0x2

PMP Entry 49: A=0, R=0, W=0, X=0, addr=0x3c00ffffc

PMP Entry 50: A=0, R=0, W=0, X=0, addr=0x3c01ffffc

PMP Entry 51: A=0, R=0, W=0, X=0, addr=0x3c03ffffc

PMP Entry 52: A=0, R=0, W=0, X=0, addr=0x3c07ffffc

PMP Entry 53: A=0, R=0, W=0, X=0, addr=0x3c0fffffc

PMP Entry 54: A=0, R=0, W=0, X=0, addr=0x3c1fffffc

PMP Entry 55: A=0, R=0, W=0, X=0, addr=0x3c3fffffc

PMP Entry 56: A=3, R=1, W=1, X=1, addr=0x3c7fffffc

Checking NAPOT: Base=0x3c7fffffc, Size=0x2

PMP Entry 57: A=0, R=0, W=0, X=0, addr=0x3cffffffc

PMP Entry 58: A=0, R=0, W=0, X=0, addr=0x3dffffffc

PMP Entry 59: A=0, R=0, W=0, X=0, addr=0x3fffffffc

PMP Entry 60: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffffc

PMP Entry 61: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffff8

PMP Entry 62: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffff0

PMP Entry 63: A=0, R=0, W=0, X=0, addr=0x3ffffffffffffffe0

Access Allowed

PS E:\RISCV - MENTORSHIP TASK> ***python pmp\_check.py pmp\_configuration.txt 0x20000000 M W***

PMP Entry 0: A=0, R=0, W=0, X=0, addr=0x300000000

PMP Entry 1: A=0, R=0, W=0, X=0, addr=0x300000004

PMP Entry 2: A=0, R=0, W=0, X=0, addr=0x30000000c

PMP Entry 3: A=0, R=0, W=0, X=0, addr=0x30000001c

PMP Entry 4: A=0, R=0, W=0, X=0, addr=0x30000003c

PMP Entry 5: A=0, R=0, W=0, X=0, addr=0x30000007c

PMP Entry 6: A=0, R=0, W=0, X=0, addr=0x3000000fc

PMP Entry 7: A=0, R=0, W=0, X=0, addr=0x3000001fc

PMP Entry 8: A=0, R=1, W=0, X=0, addr=0x3000003fc

PMP Entry 9: A=0, R=0, W=0, X=0, addr=0x3000007fc

PMP Entry 10: A=0, R=0, W=0, X=0, addr=0x300000ffc

PMP Entry 11: A=0, R=0, W=0, X=0, addr=0x300001ffc

PMP Entry 12: A=0, R=0, W=0, X=0, addr=0x300003ffc

PMP Entry 13: A=0, R=0, W=0, X=0, addr=0x300007ffc

PMP Entry 14: A=0, R=0, W=0, X=0, addr=0x30000fffc

PMP Entry 15: A=0, R=0, W=0, X=0, addr=0x30001fffc

PMP Entry 16: A=0, R=1, W=1, X=0, addr=0x30003fffc

PMP Entry 17: A=0, R=0, W=0, X=0, addr=0x30007fffc

PMP Entry 18: A=0, R=0, W=0, X=0, addr=0x3000ffffc

PMP Entry 19: A=0, R=0, W=0, X=0, addr=0x3001ffffc

PMP Entry 20: A=0, R=0, W=0, X=0, addr=0x3003ffffc

PMP Entry 21: A=0, R=0, W=0, X=0, addr=0x3007ffffc

PMP Entry 22: A=0, R=0, W=0, X=0, addr=0x300fffffc

PMP Entry 23: A=0, R=0, W=0, X=0, addr=0x301fffffc

PMP Entry 24: A=0, R=1, W=1, X=1, addr=0x303fffffc

PMP Entry 25: A=0, R=0, W=0, X=0, addr=0x307fffffc

PMP Entry 26: A=0, R=0, W=0, X=0, addr=0x30ffffffc

PMP Entry 27: A=0, R=0, W=0, X=0, addr=0x31ffffffc

PMP Entry 28: A=0, R=0, W=0, X=0, addr=0x33ffffffc

PMP Entry 29: A=0, R=0, W=0, X=0, addr=0x37ffffffc

PMP Entry 30: A=0, R=0, W=0, X=0, addr=0x3bffffffc

PMP Entry 31: A=0, R=0, W=0, X=0, addr=0x3c0000000

PMP Entry 32: A=1, R=1, W=1, X=1, addr=0x3c0000004

Checking TOR: [0x3c0000000, 0x3c0000004)

PMP Entry 33: A=0, R=0, W=0, X=0, addr=0x3c000000c

PMP Entry 34: A=0, R=0, W=0, X=0, addr=0x3c000001c

PMP Entry 35: A=0, R=0, W=0, X=0, addr=0x3c000003c

PMP Entry 36: A=0, R=0, W=0, X=0, addr=0x3c000007c

PMP Entry 37: A=0, R=0, W=0, X=0, addr=0x3c00000fc

PMP Entry 38: A=0, R=0, W=0, X=0, addr=0x3c00001fc

PMP Entry 39: A=0, R=0, W=0, X=0, addr=0x3c00003fc

PMP Entry 40: A=3, R=1, W=1, X=1, addr=0x3c00007fc

Checking NAPOT: Base=0x3c00007fc, Size=0x2

PMP Entry 41: A=0, R=0, W=0, X=0, addr=0x3c0000ffc

PMP Entry 42: A=0, R=0, W=0, X=0, addr=0x3c0001ffc

PMP Entry 43: A=0, R=0, W=0, X=0, addr=0x3c0003ffc

PMP Entry 44: A=0, R=0, W=0, X=0, addr=0x3c0007ffc

PMP Entry 45: A=0, R=0, W=0, X=0, addr=0x3c000fffc

PMP Entry 46: A=0, R=0, W=0, X=0, addr=0x3c001fffc

PMP Entry 47: A=0, R=0, W=0, X=0, addr=0x3c003fffc

PMP Entry 48: A=3, R=1, W=1, X=1, addr=0x3c007fffc

Checking NAPOT: Base=0x3c007fffc, Size=0x2

PMP Entry 49: A=0, R=0, W=0, X=0, addr=0x3c00ffffc

PMP Entry 50: A=0, R=0, W=0, X=0, addr=0x3c01ffffc

PMP Entry 51: A=0, R=0, W=0, X=0, addr=0x3c03ffffc

PMP Entry 52: A=0, R=0, W=0, X=0, addr=0x3c07ffffc

PMP Entry 53: A=0, R=0, W=0, X=0, addr=0x3c0fffffc

PMP Entry 54: A=0, R=0, W=0, X=0, addr=0x3c1fffffc

PMP Entry 55: A=0, R=0, W=0, X=0, addr=0x3c3fffffc

PMP Entry 56: A=3, R=1, W=1, X=1, addr=0x3c7fffffc

Checking NAPOT: Base=0x3c7fffffc, Size=0x2

PMP Entry 57: A=0, R=0, W=0, X=0, addr=0x3cffffffc

PMP Entry 58: A=0, R=0, W=0, X=0, addr=0x3dffffffc

PMP Entry 59: A=0, R=0, W=0, X=0, addr=0x3fffffffc

PMP Entry 60: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffffc

PMP Entry 61: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffff8

PMP Entry 62: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffff0

PMP Entry 63: A=0, R=0, W=0, X=0, addr=0x3ffffffffffffffe0

Access Allowed

PS E:\RISCV - MENTORSHIP TASK> ***python pmp\_check.py pmp\_configuration.txt 0x20000000 M W***

PMP Entry 0: A=0, R=0, W=0, X=0, addr=0x300000000

PMP Entry 1: A=0, R=0, W=0, X=0, addr=0x300000004

PMP Entry 2: A=0, R=0, W=0, X=0, addr=0x30000000c

PMP Entry 3: A=0, R=0, W=0, X=0, addr=0x30000001c

PMP Entry 4: A=0, R=0, W=0, X=0, addr=0x30000003c

PMP Entry 5: A=0, R=0, W=0, X=0, addr=0x30000007c

PMP Entry 6: A=0, R=0, W=0, X=0, addr=0x3000000fc

PMP Entry 7: A=0, R=0, W=0, X=0, addr=0x3000001fc

PMP Entry 8: A=0, R=1, W=0, X=0, addr=0x3000003fc

PMP Entry 9: A=0, R=0, W=0, X=0, addr=0x3000007fc

PMP Entry 10: A=0, R=0, W=0, X=0, addr=0x300000ffc

PMP Entry 11: A=0, R=0, W=0, X=0, addr=0x300001ffc

PMP Entry 12: A=0, R=0, W=0, X=0, addr=0x300003ffc

PMP Entry 13: A=0, R=0, W=0, X=0, addr=0x300007ffc

PMP Entry 14: A=0, R=0, W=0, X=0, addr=0x30000fffc

PMP Entry 15: A=0, R=0, W=0, X=0, addr=0x30001fffc

PMP Entry 16: A=0, R=1, W=1, X=0, addr=0x30003fffc

PMP Entry 17: A=0, R=0, W=0, X=0, addr=0x30007fffc

PMP Entry 18: A=0, R=0, W=0, X=0, addr=0x3000ffffc

PMP Entry 19: A=0, R=0, W=0, X=0, addr=0x3001ffffc

PMP Entry 20: A=0, R=0, W=0, X=0, addr=0x3003ffffc

PMP Entry 21: A=0, R=0, W=0, X=0, addr=0x3007ffffc

PMP Entry 22: A=0, R=0, W=0, X=0, addr=0x300fffffc

PMP Entry 23: A=0, R=0, W=0, X=0, addr=0x301fffffc

PMP Entry 24: A=0, R=1, W=1, X=1, addr=0x303fffffc

PMP Entry 25: A=0, R=0, W=0, X=0, addr=0x307fffffc

PMP Entry 26: A=0, R=0, W=0, X=0, addr=0x30ffffffc

PMP Entry 27: A=0, R=0, W=0, X=0, addr=0x31ffffffc

PMP Entry 28: A=0, R=0, W=0, X=0, addr=0x33ffffffc

PMP Entry 29: A=0, R=0, W=0, X=0, addr=0x37ffffffc

PMP Entry 30: A=0, R=0, W=0, X=0, addr=0x3bffffffc

PMP Entry 31: A=0, R=0, W=0, X=0, addr=0x3c0000000

PMP Entry 32: A=1, R=1, W=1, X=1, addr=0x3c0000004

Checking TOR: [0x3c0000000, 0x3c0000004)

PMP Entry 33: A=0, R=0, W=0, X=0, addr=0x3c000000c

PMP Entry 34: A=0, R=0, W=0, X=0, addr=0x3c000001c

PMP Entry 35: A=0, R=0, W=0, X=0, addr=0x3c000003c

PMP Entry 36: A=0, R=0, W=0, X=0, addr=0x3c000007c

PMP Entry 37: A=0, R=0, W=0, X=0, addr=0x3c00000fc

PMP Entry 38: A=0, R=0, W=0, X=0, addr=0x3c00001fc

PMP Entry 39: A=0, R=0, W=0, X=0, addr=0x3c00003fc

PMP Entry 40: A=3, R=1, W=1, X=1, addr=0x3c00007fc

Checking NAPOT: Base=0x3c00007fc, Size=0x2

PMP Entry 41: A=0, R=0, W=0, X=0, addr=0x3c0000ffc

PMP Entry 42: A=0, R=0, W=0, X=0, addr=0x3c0001ffc

PMP Entry 43: A=0, R=0, W=0, X=0, addr=0x3c0003ffc

PMP Entry 44: A=0, R=0, W=0, X=0, addr=0x3c0007ffc

PMP Entry 45: A=0, R=0, W=0, X=0, addr=0x3c000fffc

PMP Entry 46: A=0, R=0, W=0, X=0, addr=0x3c001fffc

PMP Entry 47: A=0, R=0, W=0, X=0, addr=0x3c003fffc

PMP Entry 48: A=3, R=1, W=1, X=1, addr=0x3c007fffc

Checking NAPOT: Base=0x3c007fffc, Size=0x2

PMP Entry 49: A=0, R=0, W=0, X=0, addr=0x3c00ffffc

PMP Entry 50: A=0, R=0, W=0, X=0, addr=0x3c01ffffc

PMP Entry 51: A=0, R=0, W=0, X=0, addr=0x3c03ffffc

PMP Entry 52: A=0, R=0, W=0, X=0, addr=0x3c07ffffc

PMP Entry 53: A=0, R=0, W=0, X=0, addr=0x3c0fffffc

PMP Entry 54: A=0, R=0, W=0, X=0, addr=0x3c1fffffc

PMP Entry 55: A=0, R=0, W=0, X=0, addr=0x3c3fffffc

PMP Entry 56: A=3, R=1, W=1, X=1, addr=0x3c7fffffc

Checking NAPOT: Base=0x3c7fffffc, Size=0x2

PMP Entry 57: A=0, R=0, W=0, X=0, addr=0x3cffffffc

PMP Entry 58: A=0, R=0, W=0, X=0, addr=0x3dffffffc

PMP Entry 59: A=0, R=0, W=0, X=0, addr=0x3fffffffc

PMP Entry 60: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffffc

PMP Entry 61: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffff8

PMP Entry 62: A=0, R=0, W=0, X=0, addr=0x3fffffffffffffff0

PMP Entry 63: A=0, R=0, W=0, X=0, addr=0x3ffffffffffffffe0

Access Allowed

PS E:\RISCV - MENTORSHIP TASK>