```
C program
#include <stdio.h>
#include <windows.h>
void getCPUID(char* cpuid) {
  int cpuInfo[4] = { 0 };
  __cpuid(cpuInfo, 1);
  snprintf(cpuid, 13, "%08X", cpuInfo[3]);
}
void getHostname(char* hostname) {
  DWORD size = sizeof(hostname);
  GetComputerNameA(hostname, &size);
}
int main() {
  char cpuid[13];
  getCPUID(cpuid);
  char hostname[256];
  getHostname(hostname);
  printf("Hello World from %s CPU #%s\n", hostname, cpuid);
  return 0;
}
```

```
#!/bin/bash

# Get the CPU ID

cpuid=$(Iscpu | awk '/^Serial/ { print $NF }')

# Get the hostname

hostname=$(hostname)

# Print the message

echo "Hello World from $hostname CPU #$cpuid"
```

```
Python programing
#!/user/bin/python3
import socket
import subprocess
def get_cpu_id():
  try:
    output = subprocess.check_output(['wmic', 'cpu', 'get', 'ProcessorId'],
universal_newlines=True)
    cpu_id = output.strip().split('\n')[-1]
    return cpu_id
  except:
    return "Unknown"
def get_hostname():
  return socket.gethostname()
# Get the CPU ID
cpu_id = get_cpu_id()
# Get the hostname
hostname = get_hostname()
# Print the message
print(f"Hello World from {hostname} CPU #{cpu_id}")
```

```
C++ programing
#include <iostream>
#include <cstring>
#ifdef _WIN32
  #include <intrin.h>
  #include <Windows.h>
#elif defined(__linux__) || defined(__unix__)
  #include <unistd.h>
  #include <sys/utsname.h>
  #include <fstream>
#endif
std::string getCPUID()
{
  std::string cpuid;
#ifdef _WIN32
  int32_t cpuinfo[4] = { 0 };
  __cpuid(cpuinfo, 1);
  char buffer[13];
  std::snprintf(buffer, sizeof(buffer), "%08X", cpuinfo[3]);
  cpuid = buffer;
#elif defined(__linux__) || defined(__unix__)
  std::ifstream cpuinfo("/proc/cpuinfo");
  std::string line;
```

```
while (std::getline(cpuinfo, line))
  {
    if (line.find("processor") != std::string::npos)
    {
      std::size_t pos = line.find_last_of(":");
      if (pos != std::string::npos)
      {
         cpuid = line.substr(pos + 2);
         break;
      }
    }
  }
#endif
  return cpuid;
}
std::string getHostname()
{
  char buffer[256];
#ifdef _WIN32
  DWORD size = sizeof(buffer);
  if (GetComputerNameA(buffer, &size))
  {
    return buffer;
  }
#elif defined(__linux__) || defined(__unix__)
```

```
if (gethostname(buffer, sizeof(buffer)) == 0)
  {
    return buffer;
  }
#endif
  return "Unknown";
}
int main()
{
  std::string cpuid = getCPUID();
  std::string hostname = getHostname();
  std::cout << "Hello World from " << hostname << " CPU #" << cpuid << std::endl;
  return 0;
}
```