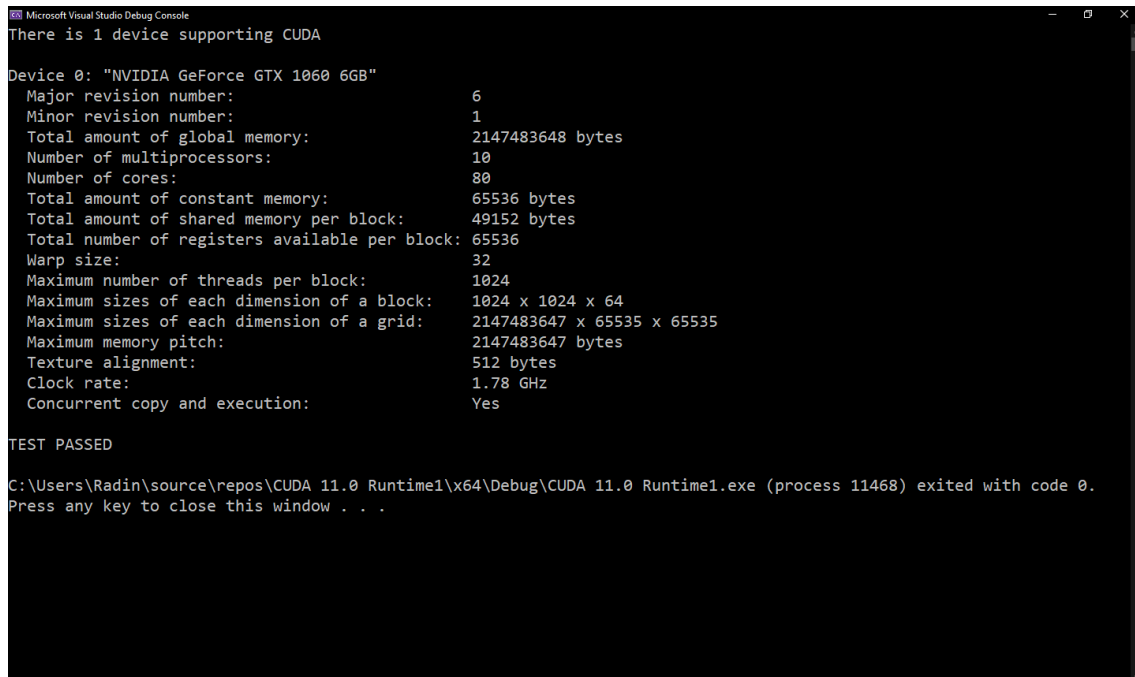


## ۱ گام اول

کد deviceQuery.cu داده شده را کامپایل و اجرا می‌کنیم. مشخصات دستگاه را در شکل ۱ مشاهده می‌کنیم.



```
Microsoft Visual Studio Debug Console
There is 1 device supporting CUDA

Device 0: "NVIDIA GeForce GTX 1060 6GB"
Major revision number:          6
Minor revision number:          1
Total amount of global memory:  2147483648 bytes
Number of multiprocessors:      10
Number of cores:                80
Total amount of constant memory: 65536 bytes
Total amount of shared memory per block: 49152 bytes
Total number of registers available per block: 65536
Warp size:                      32
Maximum number of threads per block: 1024
Maximum sizes of each dimension of a block: 1024 x 1024 x 64
Maximum sizes of each dimension of a grid: 2147483647 x 65535 x 65535
Maximum memory pitch:           2147483647 bytes
Texture alignment:              512 bytes
Clock rate:                     1.78 GHz
Concurrent copy and execution:   Yes

TEST PASSED

C:\Users\Radin\source\repos\CUDA 11.0 Runtime1\x64\Debug\CUDA 11.0 Runtime1.exe (process 11468) exited with code 0.
Press any key to close this window . . .
```

شکل ۱: مشخصات دستگاه با استفاده از کد deviceQuery