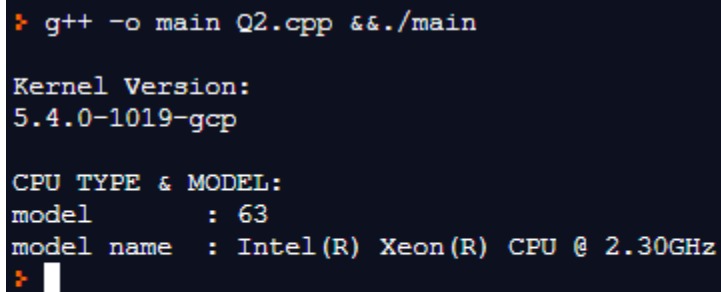## 2) Write a program to report behaviour of Linux kernel including kernel version, CPU type and model. (CPU information)

```c
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
int main()
{
  int a;
  printf("\nKernel Version:\n");
  system("cat /proc/sys/kernel/osrelease");
  printf("\nCPU TYPE & MODEL:\n");
  system("cat /proc/cpuinfo | awk 'NR==4,NR==5 {print}'");
  return 0;
}
```

OUTPUT:

```
> g++ -o main Q2.cpp &&./main

Kernel Version:
5.4.0-1019-gcp

CPU TYPE & MODEL:
model        : 63
model name   : Intel(R) Xeon(R) CPU @ 2.30GHz
>
```