**Practical 2**

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

**CODE**

#include<iostream>

using *namespace* std;

*int* main()

{

    cout<<"\n----------CPU Information----------\n";

    system("cat /proc/cpuinfo | grep 'cpu family'");

    system("cat /proc/cpuinfo | grep 'model'");

    system("cat /proc/cpuinfo | grep 'vendor'");

    cout<<"\n----------KERNEL Information----------\n";

    system("cat /proc/sys/kernel/osrelease");

    return 0;

}

**OUTPUT**

**Text

Description automatically generated**

**Practical 3**

Write a program to report behaviour of Linux kernel including information on configured memory, amount of free and used memory. (Memory information)

**CODE**

#include <iostream>

using *namespace* std;

*int* main()

{

    cout << "----------MEMORY Information----------\n";

    system("cat /proc/meminfo | grep 'MemTotal'");

    system("cat /proc/meminfo | grep 'MemFree'");

    system("cat /proc/meminfo | grep 'MemAvailable'");

    cout << "\n\n";

    system("vmstat -s | grep 'total memory'");

    system("vmstat -s | grep 'used memory'");

    system("vmstat -s | grep 'free memory'");

    return 0;

}

**OUTPUT**

**Text

Description automatically generated**