Que:-Research and provide three real-world applications where C programming is extensively used, such as in embedded systems, operating systems, or game development.

Ans:-Operating Systems

Example: Linux, Windows, and Mac OS Kernels

Real-World Impact:

The Linux kernel is nearly all written in C.

Microsoft Windows has numerous parts written in C and C++.

mac OS and iOS utilize C for tasks at the system level.

Embedded Systems

Example: Micro controller Firmware in Automobiles, Medical Equipment, and Consumer Appliances

Game Development and Game Engines

Example: Doom, Quake, and sections of Unreal Engine