

**Experiment no 2:****Aim**

Prepare a comparison study of specifications of desktop and server class computers.

**Procedure****Desktop computer**

A desktop computer is a personal computer designed for regular use at a single location on or near a desk due to its size and power requirements. The most common configuration has a case that houses the power supply, motherboard, disk storage; a keyboard and mouse for input; and a computer monitor, speakers, and, often, a printer for output.

Specifications are:

Memory	: 8Gb to 16GB Ram
Operating System	: Microsoft windows 10
Processor	:10 <sup>th</sup> or 11 <sup>th</sup> gen intel core processor.
Storage	:240GB solid state drive
Mouse	:Built in.
Headphones	:Headphones or earbuds
Monitor	:widescreen flat panel display

**Server class computer**

Server usually refers to a computer that is dedicated to providing one or more services. Basically it is a collection of number of computers which serves a certain purpose.

Specifications are:

**Hardware:**

4 Cores, 2.8-3.0 GHz each (2.8 GHz minimum speed)

**Operating System:**

Oracle Enterprise Linux 4 Update 7 or greater, 64-bit

**Application:**

Oracle JRockit JDK 28.1 64-Bit

**Difference Between Server and PC:**

The core technologies used by servers and desktops are similar, but a server's performance is much higher than a desktop. A desktop computer system typically runs a user-friendly operating system and desktop applications to facilitate desktop-oriented tasks. In contrast, a server manages all network resources. Servers are often dedicated to do specific tasks.