

EXPERIMENT – 2

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ASSEMBLING OF A COMPUTER SYSTEM

AIM:- To Assemble a Computer System

PROCEDURE:-

Steps to Assemble a Desktop:-

- Step 1:- Take the power supply and attach it to the case then using the power supply screws fasten it to the case.
- Step 2:- Now we have to assemble the components of the motherboard before attaching it to the case.
- Step 3:- Take a RAM card and attach it to the motherboard by securing it with latches. Repeat the same to attach multiple RAM cards.
- Step 4:- Now take the CPU and attach it to the Motherboard and lock it into place.
- Step 5:- Now use thermal compound on top of the CPU unit to fill the microscopic gaps between it and its heat sink.
- Step 6:- Now mount all the heat sink on top of the CPU unit and secure it using motherboard screws and finally connect the heat sink cable to the motherboard.
- Step 7:- Now use all the assembled motherboard into the desktop case and fasten it in its place using motherboard screws.
- Step 8:- Now we have to install the adapter cards into the case so take a NIC and secure it using screws.
- Step 9:- Similarly install the wireless NIC and secure it using screws.
- Step 10:- Now install the video adapter card and secure it using screws. With this we have successfully installed adapter card.
- Step 11:- Now take the HDD and install it into place using screws.
- Step 12:- Now take the optical drive and secure it into place using screws and repeat the same step to install the floppy drive below.
- Step 13:- Now we have to connect everything using internal cables.
- Step 14:- After connecting the internal cable of different it to the pins.
- Step 15:- Then take the floppy cable and similarly attach it to the pins available.
- Step 16:- Finally take a SATA cable and connect it the motherboard and the hard disk drive. Thus we have attached all components to the motherboard using various cables.
- Step 17:- Now attach case panels to cover the desktop unit and secure it using screws.
- Step 18:- Now we have to attach cables of different external components such as monitor, key board, Mouse, USB, Ethernet etc.
- Step 19:- Finally connect the power card to the desktop unit to finish assembling.

Result:- Hence the assembly of a computer system has been studied and done using virtual activity desktop.