1 Apple's Macintosh was described as a game changer for the Computer industry in 1980's. Justify the teature and performance when compared to the Computer of carrier versions

# -> Graphie User Interface :-

The machinosh introduced a revolutionary graphical User interface, which allowed user to interact with the Computer using icony, windows and a mouse. This was a significant departure from the Command line interface of earlier Computer,

## - WYSINYG (What You See Is What You Get).

The machinosh was one of the first computer to incorporate MYSIMYG capabilities, meaning that the documents displayed on the escreen closery resembled how they would appear when prinked.

# Deshtop Publishing:

With 8th graphical capabilities and WYSIWYG functionality, the machinosh became a popular choice for desktop publishing. Applications like Aldus, pagemaker, released for the machinosh allowed usen to design professional looking documents with ease.

# Third party Software Support:

The machinosin gained Significant third party. Software Support, offering a wide range of applications for various tasks. Developers are attached to the machinosis is were friendly interface.

machinosh set new Standards for computer washinty, design and Software development.

Classify the power Computers based on functionality and computing power and identity their application.

# Personal Computers (PC)

- · Pc1s are general purpose computer designed individual use
- · pe's can arrange from basic entry lever System to high performance machines.
- · pc's are used for a wide range of applications, including web browsing, productivity tasks.

### > Work Stations

- · Work Stations are high per-formance Computer designed
- · Work Stations are typically more powerful than pels with faster processon, rarge memory and graphies.
- · Work stations are essed for demanding task that require significant computing power. Such as computer aided design, Video editing, 30 animation scientific research.

- · Derven are Computer designed to serve and manage resources and data for multiple wen es clients.
- · Serven can easily and vary videry interms of Computing power depending upon the intended use and Scale of operation,

## Super Computers:

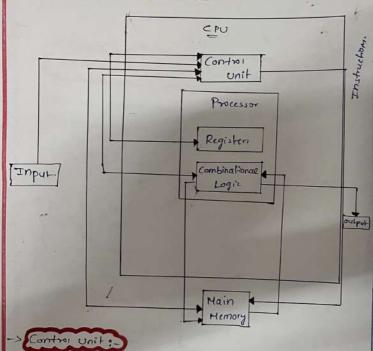
- · Super Computer au high performance Computer designa for proceeding massive amounts of data and performing complex calculations.
- · Super compulers are used for Scientific research, weather modelling, climate Simura Lim, molecular modelling, Computational fluid dynamics.





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## CPU ARCHITECTURE :-



- . The control unit is responsible for Co-ordinaling and controlling the operation of CPU.
- The CU also manages the frow of data b/w diffuent Components of cpu and controls external devices.

- The arthematic Logic unit performs arthematic operations CADD, SUB, MUL & DIV) and rogical (AND, De, NOT) on data,
- . The ALU also produces result, that are stoned in sent to the memory con output devices.

small, high speed memory location within the cpu that had data, instructions and addresses.

### Hemory

The CPU has a memory interface that allows to communicate with main memory, where they are stored,

### Cache:-

The cpu often has a Small but fait cache memory located Closer to the CPU than the main memory.

### Instruction pipeline;

To improve performance, many epo's use an instruction piquine which allows multiple in structions to be processed Simultaneously.