Date -> 12/9/20 Lecture 6 Roll No -> 170102021 lages -> 2 Types of Software: a) System Seftware - Collection of programs written to service other programs - Neary interaction with computer hardware. - Heavy usage by multiple users. - Concurrent operation that requires scheduling, resource showing and sophisticated process management. - Su: compilers, aperating systems W feat Time Software - Monitors | analyzes | controls real world events as they accur - heal time response ranging from I millisocond to I second is maintained. () Business Software - Management Information System (MIS) software that accesses one or more large totalrases datalaxes - Management Information System (MIS) software that accesses one or more longe databases containing business information - Pestoucture existing data in a way that facilitates business operations - Encompass interactive computing d) Engineering and Scientific Software - Characterized by "number crunching" algorithms - langes from asteronomy to automated nanufacturing CAD, system simulation, etc. - Need higher precision than that of 64 bits

e) Embedded Saftware

- Resides in read-only premary and is used to control products and systems for the consumer and industrial noorkets.
- Can perform limit and esoteric functions or provide significant function and control capability
 - Example : used in missowave over, washing machines,

f) (C based software

- Word processing, spreadsheets, computer graphics, multimedia, entertainment, database monagement, personal business and financial applications are the examples of PC based software.

3) Web-based entware

- Software that incorporates encutable instructions (cg, HTML, Perl, Java) and data (cg, hypertent, audio).
- Have substantial security concerns. Have specific protocols in the network.

h) AI bosed software (our professor's favourite)

- Software that nakes use of nonnumerical algorithme to solve complex problems that are not amenable to computation or straightforward analysis.
- Knowledge based systems, pattern recognition are used along with data like sheech, image, etc.
- Systems learn from their mistakes and have a fodbook model.