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Assignment-1 Object Oriented Promming.

Q.1. Explain in detail about any five areas of applications of object oriented ~~Programming~~ Programming.

:s Object Oriented Programming is about creating objects that contain both data and functions. Object-Oriented programming has several advantages over procedural languages. As OOP is faster and easier to execute it becomes more powerful than procedural languages like C++. OOPs is the most important and flexible paradigm of modern programming. It is specifically useful in modeling real-world problems.

① Real-Time System design:-
   Real time system inherits complexities and makes it difficult to build them. OOP techniques make it easier to handle those complexities.

② Hypertext and Hypermedia:-
   Hypertext is similar to regular text as it can be stored, searched and edited easily. Hypermedia on the other hand is a superset of hypertext. OOP also helps in laying the framework for hypertext and hypermedia.

OOP Assignment - 1

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③ AI Expert System:-
These are ~~sem~~ Computer application that is developed to solve complex problems which are far beyond the human brain. OOP helps to develop such an AI expert System.

④ Office automation System:-
These includes formal as well as informal electronic systems that primarily concerned with information sharing and communication to and from people inside and outside the organization. OOP also help in making office automation principle.

⑤ Neural networking and parallel programming:-
It addresses the problem of prediction and approximation of complex-time varying systems. OOP simplifies the entire process by simplifies the approximation and prediction ability of the network.