

Q. What are the characteristics of software products?

A. Essential characteristics of well engineered software product: A well-engineered software product should possess the following essential characteristics:

- **Efficiency:** The software should not make wasteful use of system resources such as memory and processor cycles.
- **Maintainability:** It should be possible to involve the software to meet the changing requirements of customers.
- **Dependability:** It is the flexibility of the software that ought to not cause any physical or economic injury with in the event of system failure.
- **In Time:** Software should be developed well in time.
- **With in budget:** The software development costs should not overrun and it should be within the budgetary limit.
- **Functionality:** The software system should exhibit the proper functionality, i.e., it should perform all the functions it is supposed to perform.

- Adaptability: The software system should have the ability to get adapted to a reasonable extent with changing requirements.