# 1. What is software ? What is software Engineering ?

## A. - software is a collaction of computer

## programs and related data that provide the

## instruction for telling a computer what to do and how to do it .

## - software engineering is a systematic approach to the design ,

## development , operation , and maintenance of a software system .

# 2. Explain types of software ?

## A- three types of software

## 1. system softwar

## 2. application software

## 3. programming software

# 3. What is sdlc ? explain each phase of sdic ?

## A. - a software development life cycle is

## essentially a series of steps , or phases

## that provide a model for the development and

## lifecycle management of an application or piece of software .

## SDLC Phases : - 1. Requirements Collection / Gathering

## 2. Analysis

## 3. Design

## 4. Implementation

## 5. Testing

## 6. Maintenance

# 4. What is DFD ? create a DFD diagram on flipkart

## A.- DFD a data flow diagram is a traditional

## way to visualize the information flows within a system .

# 5. What is Flow chart ? create a flowchart to make addition of two numbers

## A. - a flowchart is a graphical representation .

## of the operations involved in a data processing system .

# 6. What is use case diagram ? creat a use - case on bill payment on paytm

## A. - use - case diagrams describe the high

## - level functions and scope of a system .

## these diagrams also identify the interactions

## between the system and its actors . the use

## cases and actors inuse - case diagrams .

## describe what the system dose and how the actors use it ,

## but not how the system operates internally