1. **What is Software?**

* Software is a set if instruction, data or programs used to operate computers and execute specific tasks. It is the opposite of hardware, which describes the physical aspects of a computer. Software is a generic team used to refer to applications, scripts and programs that run on a device.

1. **What is Software engineering?**

* Software engineering is the branch of computer science that deals with the design, development, testing, and maintenance of software applications. Software engineers apply engineering principles and knowledge of programming languages to build software solutions for end users.

1. **Explain types of software**?
2. Application software
3. System software
4. Driver software
5. Middleware software
6. Programming software
7. **What is SDLC? Explain each phase of SDLC?**

Software Development Life Cycle.

1. Software Requirement
2. Software Analysis
3. Software designing
4. Software development
5. Software testing
6. Software maintenance
7. **What is DFD? Create a DFD diagram in flipkart?**

* DFD= DETA FLOW DIAGRAM
* A data flow diagram (DFD) maps out of flow of information for any process or system. It use defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and routes between each destination.

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**FLIPKART DETA FLOW DIAGRAM**

**FLIPKART SERVER**

**PRODUCT RETAILER**

USER LOGIN /LOGOUT

PRODUCT SEARCH

PRODUCT ORDER

TYPE OF PAYMENTS

Q

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ORDER CANCLE / RETURN OR REPLACE

ORDER DELAVERY DETAILS / TRACKING

ORDER DISPACH

**5. What is Flow Chart? Create a flowchart to make addition of two numbers.**

* A flowchart is a diagram that shows an Overview Of a program.
* Flowcharts normally use Standard symbols to represent the different types of instruction.
* These Symbols are used to construct the flowchart and show the step-by-step solution to the problem.
* Flowcharts are sometimes known as flow diagrams.

#include<stdio.h>

int main()

int a=10,b=20;

Return 0;

Printf(“%d\n”,a+b);

1. **What is Use case Diagram? Create a use-case on bill payment on paytm?**

* 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 in use- case diagrams describe what the system dose and how the actors use it, but not how the system operates internally.

**This Process in Paytm App.**

USER

SELECT ELECTRICITY BILL

ADD NEW BILL

SELECT YOUR STATE

SELECT ELECRICITY BORD FOR GUJARAT.

ENTER CONSUMER NUMBER

ENTER AMOUNT

SELECT BANK / UPI ID

ENTER PASSWORD

PAYMENT DONE/ PENDING