ASSIGNMENT- 1

1.What is software? What is software engineering?

- Software is a set of instructions, 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 term used to refer to applications, scripts and programs that run on a device.

- Software engineering is a detailed study of engineering to the design, development and maintenance of software. Software engineering was introduced to address the issues of low-quality software projects. Problems arise when a software generally exceeds timelines, budgets, and reduced levels of quality.

2. Explain types of software

- System software
- Driver software
- Middleware
- Programing software

3. What is SDLC? Explain each phase of SDLC.

- The Software Development Life Cycle (SDLC) refer for methodology with clearly defined processes for creating high-quality software.
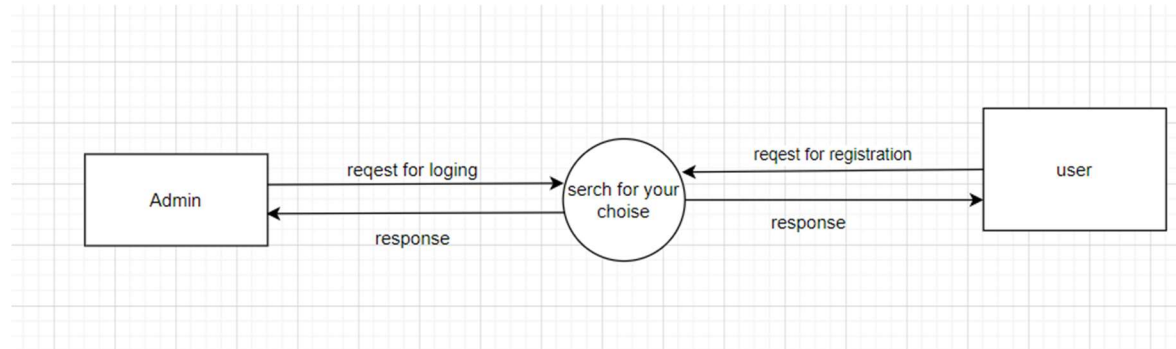
: Phases of SDLC :

- Requirement Gathering
- Analysis
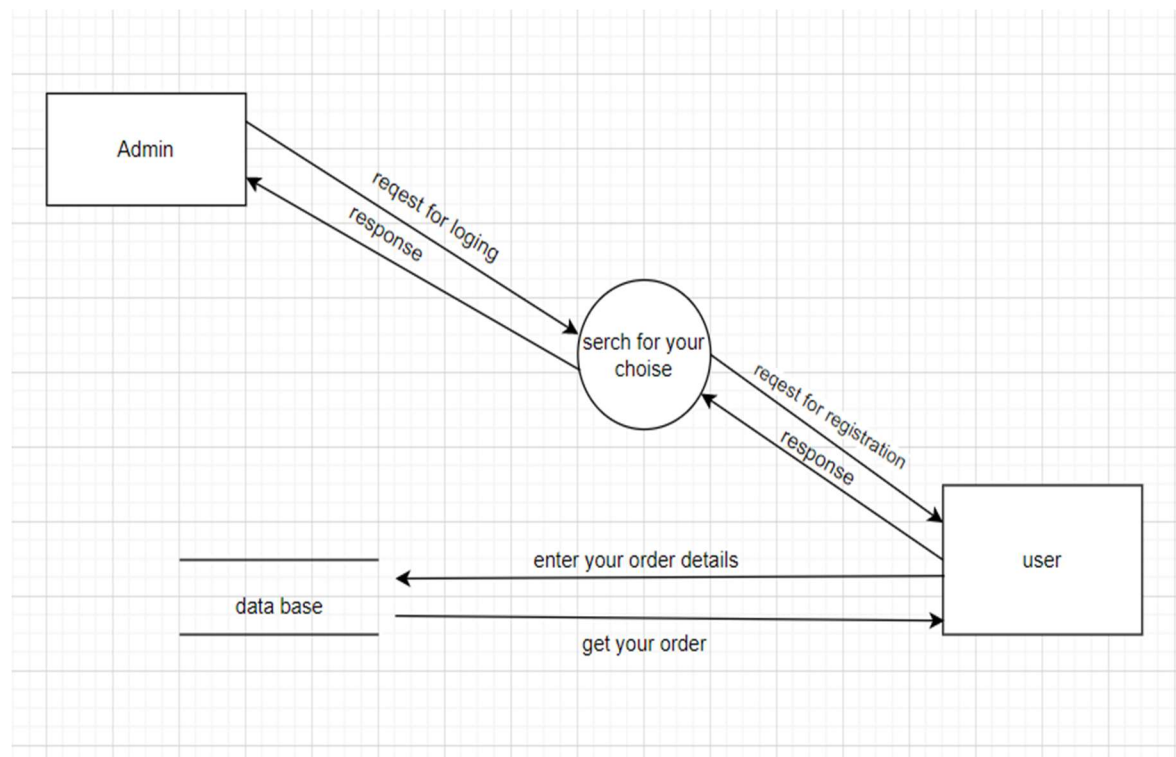- Designing
- Testing
- Maintenance
- Implementation

ASSIGNMENT- 1

4. What is DFD? Create a DFD diagram on Flipkart.

- A data-flow diagram is a way of representing a flow of data through a process or a system (usually an information system). - The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow there are no decision rules and no loops.
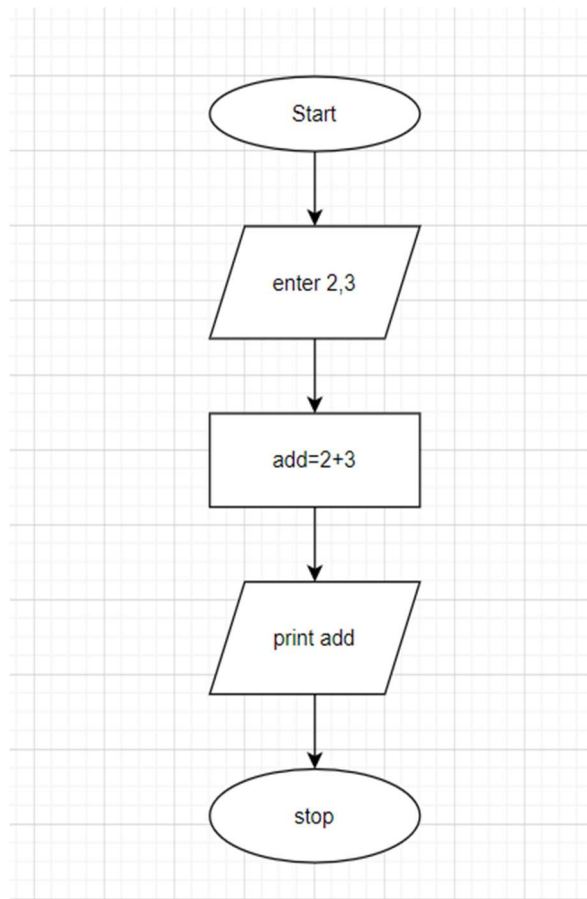

DFD level 0

DFD level 1

ASSIGNMENT- 1

5. what is flow chart? Create a flowchart to make addition of two numbers.

 - A flowchart is a type of diagram that represents a workflow or process.

 -A flowchart can also be defined as a diagrammatic representation of an algorithm, a step-by-step approach to solving a task.

FLOWCHART:

ASSIGNMENT- 1

6. What is use case Diagram? create a use-case on bill payment on paytm.

 - A use case diagram is used to represent the dynamic behaviour of a system.

- It is generally shown as a graphic depiction of interactions among different elements in a system.

Use case: