1. What is sdlc?

**SDLC** stands for **Software Development Life Cycle.**

Key Phases of the SDLC:

1)Request analysis and information gathering

-it is possible or not it means Understand and document what the users need from the software

-team and resource it means

-deadline and costing

-team prepare

-technology and database

2)Design

-architecture of project

2 framework database use readymade architecture ex. mysql postgres mongodb - api , shema model - table 3) development - coding frontend developer will develop the software

4) testing 5)deployment - live - hosting 6)maintance – free it means client can make some changes during the process but not add anything extra

1. What is software testing?

**Software testing** is the process of involves executing the software to identify bugs or errors.

**4)** pillar of software testing-

1 unit testing- single fun test- ex. Add to cart, remove testing in flipkart application

2 integration testing- ex. Merge voice call and video call then testing

3 system testing- test website from start to end

4 uat(user acceptance testing)- client check the website

1. What is RDBMS?

**RDBMS** stands for **Relational Database Management System.**

Data is organized into tables

**Ex. Mysql, oracle, postgrey, sqlite**

1. What is SQL?

SQL stands for Structured Query Language, It allows users to **create, read**, **update**, and **delete** data

Perform tasks-

Create database(database name) , drop database(database name)

Create table(table name) , drop table(table name)

Data insert, data delete , data update, data fetch

1. Write SQL commands

Create database(database name) , drop database(database name)

Create table(table name) , drop table(table name)

Data insert, data delete , data update, data fetch