**Introduction**

**Waterfall model** is a sequential flow which is used in developing particular software.

This helps us to guide through the making of software/application.

It consists of **six phases** which are as follows:

1. Requirement Analysis.
2. Designing of software.
3. Implementation of software.
4. Testing/Working of the software.
5. Deployment of the software.
6. Maintaining of a software.

**Benefits:**

* The main purpose of this model is that it is one time process.
* When you proceed to next phase you can't go back to the previous phase so once you have completed one phase checking thoroughly and moving to next phase is a smart move.
* The use of this model allows to early design of the software in the planning phase then in modeling phase which it is only implemented.
* Tasks of this model to various group of people is easy to manage and co-ordinate.
* Once you have all the requirements needed it is easy to make the software/application.
* As the model is sequential and linear the working of well working software can be divided into group as per the phases.
* The final process or results or output are well log maintained which means it is well documented.

**Why I choose this waterfall model for my software/application?**

* As my software/application has all the requirements analyze at the start of making the software it is easy for this model to proceed.
* The root of making this software is clear and stable from beginning which means no sudden changes will be done.
* Customer/Client using the final software will not be involved in making of the software.

**Diagram**

