Lab 1

Name: **Viraj Patel**   ID: **201701439**

a)
Waterfall Model:
Because it is simple model so all requirements of project is known earlier and does not need revolution.

b)
Prototyping Model:
It said that model is for novice user and user friendliness is our basic requirement so prototyping model would fit better.

c)
Incremental Model:
It is said that spreadsheet has some basic feature and new features will be built upon basic model so, incremental model.

d)
Spiral Model:
 In a web based system, first prototype may be build and tested according to initial requirements but web based models change rapidly with time so there are higher possibilities that user's requirements are still not satisfied so according to this model prototype will be developed again based on base model and keep repeating like spiral.

e)
Agile Model:
Lots of new features are getting added and also frequent releases of new features need to be done which is characteristic of Agile model.

f)
Waterfall model:
Requirements are well defined and won't change with time so waterfall model would be better option.

g)
Incremental Model:
This is a system where the requirements will change and there will be an extensive user interface components so, Incremental model would fit good.

h)
<u>Waterfall model</u>:
This is critical system and so requirements are stable and reusable.

i)
<u>Prototype model</u>:
In this system UI is important as there are many people who are not used to with it.
So, prototype model.

j)
<u>Spiral Model</u>:
Risk management is our essential goal. So, Spiral model.

k)
<u>Synchronize and Stabilize Model</u>:
The new modification need to be properly synchronized with the earlier implementation.

l)
<u>Waterfall Model</u>:
The requirements are well defined and stable.

m)
<u>Waterfall model</u>:
The Problem is itself defined characteristic of waterfall model.