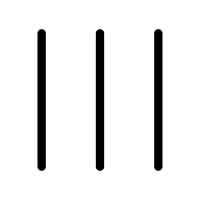


**ASTERISK DIGITAL/VELOX LABS**

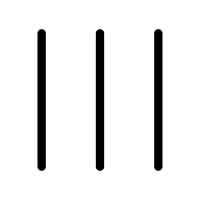
**Minbhawan, Kathmandu**



**PYTHON SKILL TEST**

**“COVID-19 Prediction Program provided with**

**Current Positive Cases as per States”**



**Submitted By:**

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**PROJECT OVERVIEW**

**Statement of the Problem:**

The Department of Health pointed to develop a program to assist in controlling the spread of the COVID-19 virus. The Department provided you with text file data and asked you to predict future positive cases based on several parameters, including social distancing compliance, existing positive cases, the growth rate of the virus (how many people are infected by each person). The text file contains data in the following form (The name of the state and figures represent positive cases). These figures are indicative only.

The program must provide a summary report based on several scenarios and write the predicted data in a text file.

**Objective**:

This system has been designed as a part of skill assessment test from Asterisk Digital/Velox Labs.

**Key Features:**

* Use of python 3.9.0
* Based on OOP
* Use of environment variable for flexibility in configuration
* Use of exception handling,
* Use of appropriate naming convention for classes and methods etc.

**Technologies Used:**

* Python 3.9.0
* Visual Studio Code IDE