**Experiment No. 1**

**Aim:** Introduction to Python and Python Shell.

**Problem Statements:**

1. To install Python 3.9.6, Anaconda.
2. To setup Python shell and learn working of Python shell.
3. To launch Jupyter Notebook and learn its working.
4. To study and implement basic Python concepts like operators, print(), variables, numbers, strings, comments.

**Questions:**

1. Declare following variables: a=10, b=20.5, c=’SGU’, d=’University’ and print all the values.
2. Write the comment: This is my first program
3. Print sentence- ‘This is a CAR’ using multi line statement.
4. Declare variables: a=10, b=15. Apply all the arithmetic operators on a and b.
5. Print following statements.
   1. This is ‘Sanjay Ghodawat University’
   2. This is “Sanjay Ghodawat University”
   3. She’s always on time.
   4. She’s a student of “Sanjay Ghodawat University”
6. Print ‘Hello’ message 4 times.
7. Print following statement by using concatenation operator: Sanjay Ghodawat University.
8. Apply following operations on the string ‘YouTube’
   1. Print first letter.
   2. Print second last letter.
   3. Retrieve and print Tube from the given string.
   4. Print all the letters starting from second letter.
   5. Print all the letters till T.

