# Faculty of Technology and Engineering
## U & P U. Patel Department of Computer Engineering

| Academic Year | : | 2023-24 | Semester | : | 4th |
|---|---|---|---|---|---|
| Course code | : | CE269 | Course name | : | Programming in Python |

## Practical 1

**A)Introduction to Python Programming. Installation & Configuration of Python. Along with its all-major editors, IDLE, Pycharm, Anaconda, Jupyter, Interpreter etc.**

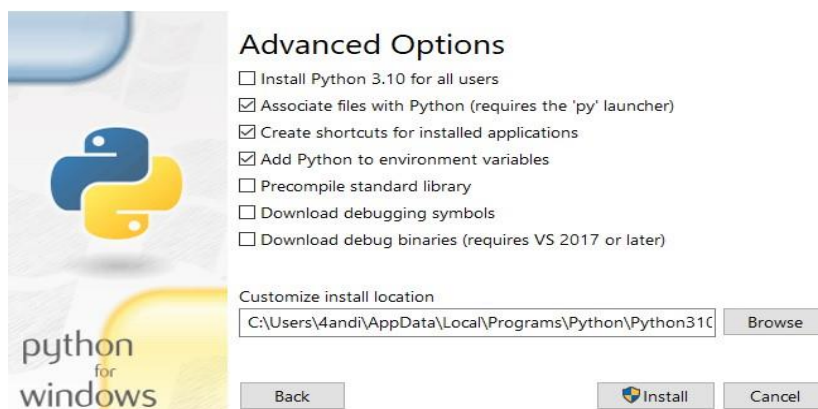→ Visit www.python.org and from there download the latest python, install

python then click on IDLE and install it as well.

To create a virtual environment open the command prompt where we
Want to create a virtual environment and type.
Python -m venv folder_name

Virtualisation uses a lot of space.
One can use any version of python for specific environments.

**B)Write a python program to calculate simple interest:**

```
def calculate_simple_interest(principal, rate, time):
return (principal * rate * time) / 100

principal = float(input("Enter the principal amount: ")) rate
= float(input("Enter the interest rate (in percentage): "))
time = float(input("Enter the time period (in years): "))

simple_interest = calculate_simple_interest(principal, rate, time) print("Simple
Interest:", simple_interest)
```

**output:-**

```
"C:\Users\hetpa\Desktop\python sem 4\pRACTICAL 1\.venv\Scripts\python.exe" "C:\Users\hetpa\De
Enter the principal amount: 40000
Enter the interest rate (in percentage): 7
Enter the time period (in years): 1
Simple Interest: 2800.0

Process finished with exit code 0
```