



## Faculty of Technology and Engineering

### U & P U. Patel Department of Computer Engineering

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Academic Year	:	2023-24	Semester	:	4 <sup>th</sup>
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](http://www.python.org) and from there download the latest python, install python then click on

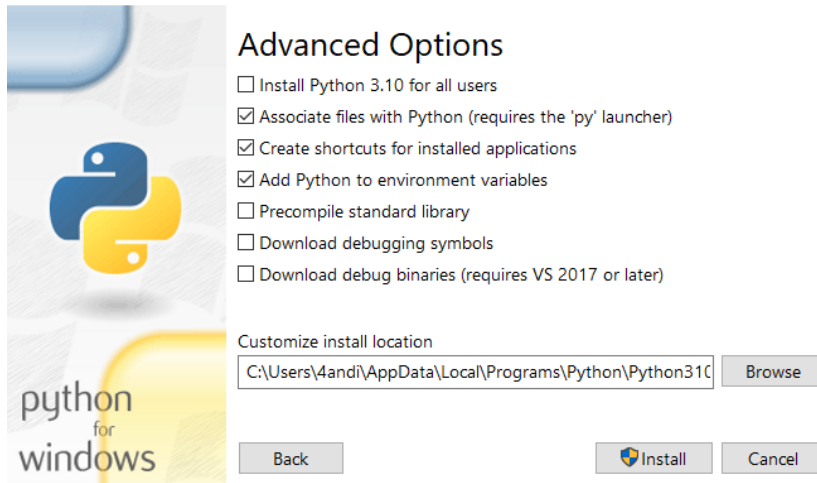
IDLE and install it as well.

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.

Code:-

```
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:-

```
Enter the principal amount: 50000  
Enter the interest rate (in percentage): 5  
Enter the time period (in years): 2  
Simple Interest: 5000.0  
> |
```