

Full Stack Application Development with Cloud Computing

Module 3 - Back-End Development & Integration

Lab - 3

Unit 1 - Python Programming Language

Topic: Functions

Ex. 1: To find the average of 3 numbers using function

Program

```
def calculate_average(num1, num2, num3):
    return (num1 + num2 + num3) / 3

num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))
num3 = float(input("Enter the third number: "))

average = calculate_average(num1, num2, num3)
print(f"The average of {num1}, {num2}, and {num3} is {average:.2f}.")
```

Practice Question

Ex. 2: Program that implements a grading system using a function in Python

Objective The program takes the marks of 6 subjects using a loop, calculates the average marks using the function and determines the average grade using another function. It then displays the entered subject marks, average marks with two decimal places, and the average grade.

>=90	Very Good
>=80 and <90	Good
>=60and <80	Average
>=45 and <60	Below Average
<45	Fail

