



**Bahria University**  
Discovering Knowledge

**COURSE CODE: CSC-113**

**COURSE TITLE: COMPUTER PROGRAMMING**

**ASSIGNMENT 3 (Functions/Strings)**

**Task 1:** Write a C++ program to create a scientific calculator. The program should contain a function called **menu()** which allows the user to enter two integers and a character (+, -, \*, /, %, ^) to choose an operation to be executed on the entered integers. All operations should be wrapped inside functions like ones given below.

- **Sum()**
- **Difference()**
- **Product()**
- **Quotient()**
- **Remainder()**
- **Power()**

Each function should take both integers as arguments and should return the desired result which should be returned by the **menu()** function to the main and displayed on the console. (All functions should be user defined, do not use predefined functions like **double pow(double, double)**.)

**Task 2:** Write a program that takes paragraph from the user and prints all unique words in that paragraph, it means the word which is appearing many times in paragraph should be printed only once.

**Submission Details:**

- Submit the Assignment on Sunday 27<sup>th</sup> December 2020 by 11:59pm on LMS.