

# AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

**Department of Computer Science (CS)**

**LAB Task-1 (Basic C++)**

1. Write a program that will take an integer as input from user and the program will check if the number is present in Fibonacci series (0, 1, 1, 2, 3, 5, 8, 13.....) or not.
2. Write a program that will take a four-digit number as input, and it will check if the number is an Armstrong number or not.

9474 is an Armstrong number because  $9^4 + 4^4 + 7^4 + 4^4 = 9474$

3. Write a program that will take an array as input, and it will return a sorted array in ascending order;

Input Array[4] :

49	55	6	100
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Sorted Array:

6	49	55	100
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4. Write a program that will take a number as an input, and it will check if the number is integer or float.

52.5 is a float, 88 is an integer

5. Write a program that will take a string as input, and it will check if the string is palindrome or not.

MADAM is palindrome