

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

Department of Computer Science (CS)

Introduction to Programming [Lab Task]

1. Write a program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade according to given conditions.
Hint: Mark greater than or equal 90: Grade A+
Mark between 85 and 89: Grade A
Mark between 80 and 85: Grade B+
Mark between 75 and 79: Grade B
Mark between 50 and 75: Grade C+
Mark less than 50: Grade F
2. Write a program that take choice of user and act as a calculator for 2 numbers.
Hint: Input values, input user choice, calculate the value and show.
3. Write a program to input any alphabet and check whether it is vowel or consonant.
Hint: a, e, i, o, u are vowels.
4. Write a program to enter month number between (1-12) and print number of days in month using if else.
Sample Output:
Enter month number: 1
It contains 31 days.
5. Write a program to check whether a triangle is valid or not if angles are given using if else.
Hint: A triangle's total angle is 180
Sample Output:
Input first angle: 60
Input second angle: 30
Input third angle: 90

The triangle is valid
6. Write a program that will take a number as input and check whether it is even or odd.