## **CSC101 Introduction to Computer Science**

Final

## **Submission time:** 1 p.m.

Return script to manwer@iub.edu.bd

1. A program is required to read date as follow:

```
Enter date (format: dd/mm/yyyy):
```

Write a program that would read the input, validate them, and print the day, month and year separately as

Day Month Year

(50 points)

2. Use the program written in problem 1 as a function. Input your birthday, today's date, and output your age as:

Today you are xx years, yy months and zz days old

(30 points)

3. The included file 419220-99999-2020. op is an ASCII text file (*use Windows Notepad to open the file*) that has a record of different weather-related data for Dhaka city (Kurmitola airport) for the year 2020. The data are average daily records. Data of interest in this problem are:

TEMP: Average daily temperature in degrees Fahrenheit (missing values: 9999.9)

WDSP: Average wind speed in miles per hour (missing values: 999.9)

Write a program that would read this data file, extract the daily TEMP and WDSP and calculate the average monthly Temperature and Wind Speed, and report the result as:

Month Temperature Wind Speed 1 nn.n mm.m

(50 points)