

Computer Engineering Department

TED University

Lab Assignment 09

CMPE 112 Fundamentals of Programming I, Spring 2020

Question 01 [70 Points]:

Part A, 30 Points: Write a program that fills an Integer array with even and odd numbers. The length of array and order of the numbers in the array is decided by the user.

If the user enters more than specified number of items (let's say N), the program shall read only first N numbers and ignore the extra ones.

After filling the array, the program shall print all the numbers again to screen.

Part B, 40 Points: After filling the array, your program shall look for all odd numbers surrounded by even numbers on both sides and re-write the new number by adding 10 to the odd number.

After re-writing, the program shall print all the numbers again.

```
//Sample Output  
  
Enter the required size of number-array  
13  
Enter 13 numbers, randomly. Write even or odd numbers.  
58 9 650 32 35 35 33 12 51 8 3 250 5 98  
Original Array: 58 9 650 32 35 35 33 12 51 8 3 250 5  
Updated Array: 58 19 650 32 35 35 33 12 61 8 13 250 5
```

Question 02 [30 Points]

Write a program that reads the daily English word that you learn, for all 7 days, of a week. Assume that daily word is a String in lower-case and the length of the word varies across different days.

The program shall find and print the day of word with the largest length. Furthermore, the found longest word should start with a vowel.

```
//Sample Output  
  
Enter the words for 7 days:  
attractive preview gain potion abbrevature appeal reverse  
Day with longest word: Friday
```