

**Code : CS-COMP6364-Var02**

### **Learning Outcomes**

- Describe the main features of OOP
- Construct a program using additional features of OOP

### **Topic**

- Session 04 – Method and String

### **Sub Topics**

- String
- Method

### **Soal**

*Case*

Text editor game is a simple game with several fun function, such as split word into several char, count vowel and consonant character. As a programmer, you are asked to create the program with these following conditions:

- At the beginning, the program will ask the user to input **word**.
- Validate the **length** of the **word** must be **between 5 and 30**.
- The program will ask the **text configuration** to convert word into string.
- Validate the **text configuration** must be **between 2 through number of words**.
- Then, show **result** with inputted configuration, first word on each line must write on capital.
- Count vowel and consonant based on inputted character.
- Your program must be consist of minimum 1 method excluding main method

**For more details, please run the .EXE file.**

### **Print Screen when program starts**

```
Welcome to text game 4.0
=====
Input your data [5 - 30 characters]: _
```

### **Print screen when user asked to input the data**

```
Welcome to text game 4.0
=====
Input your data [5 - 30 characters]: abc
Input your data [5 - 30 characters]: pahlawan bertopeng_
```

### **Print screen ask user configuration**

```

Welcome to text game 4.0
=====

Input your data [5 - 30 characters]: abc
Input your data [5 - 30 characters]: pahlawan bertopeng

Please assign text formatting
Input configuration [2-18]: 1
Input configuration [2-18]: 90
Input configuration [2-18]: 10_

```

Print screen of the result:

```

Please assign text formatting
Input configuration [2-18]: 1
Input configuration [2-18]: 90
Input configuration [2-18]: 10

P a h l a w a n   b
E r t o p e n g

Word summary :
=====

Vowel count : 6
Consonant count : 12
=====

```

```

Please assign text formatting
Input configuration [2-18]: 5

P a h l a
W a n   b
E r t o p
E n g

Word summary :
=====

Vowel count : 6
Consonant count : 12
=====

```

If anyone does not understand, ask your assistant!