

//To convert a word into its Piglatin form.

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```
import java.util.Scanner;
public class Piglatin
{
    String Txt;
    int Len;

    Piglatin() //Default Constructor to initialize values
    {
        Txt = "";
        Len = 0;
    }

    void readstring() //Function to read String from the user and convert it into uppercase
    {
        Scanner br = new Scanner(System.in);
        System.out.println("Enter the String");
        Txt = br.nextLine().toUpperCase();
        Len = Txt.length();
    }

    void convert() //To convert to the word into its piglatin form and display the word(changed and
    unchanged)
    {
        int first_vowel=0;
        Txt = Txt.trim();
        for(int i=0; i<Len; i++)
        {
            char letter = Txt.charAt(i);
            if(letter=='A' || letter=='E' || letter=='I' || letter=='O' || letter=='U')
            {
                first_vowel = i;
                break;
            }
        }

        if(first_vowel!=0)
            System.out.println("\nConverted Word:
"+Txt.charAt(first_vowel)+Txt.substring(first_vowel+1,Txt.length()+Txt.substring(0,first_vowel)+"AY
");
        else
            System.out.println("\nConverted Word: "+Txt);
    }
}
```

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    }

    void consonant() //To count and display the number of consonants present in the given word
    {
        int count = 0;
        for(int i=0; i<Len; i++)
        {
            char letter = Character.toLowerCase(Txt.charAt(i));
            if(!(letter=='a' || letter=='e' || letter=='i' || letter=='o' || letter=='u'))
            {
                count++;
            }
        }
        System.out.println("Number of consonants present in the string: "+count);
    }

    public static void main(String args[]) //Main function to create object and call respective functions
    {
        Piglatin p1 = new Piglatin();
        p1.readstring();
        p1.convert();
        p1.consonant();
    }
}

```

OUTPUT

Enter the String
KING

Converted Word: INGKAY
Number of consonants present in the string: 3
Enter the String
Trouble

Converted Word: OUBLETRAY
Number of consonants present in the string: 4