

1)

```
import java.util.Scanner;
```

```
public class Sample {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the word");
        String word = sc.nextLine();
        int vowelCount = 0;

        int n = word.length();
        for(int i=0; i<n; i++) {
            if(word.toLowerCase().charAt(i) == 'a' || word.toLowerCase().charAt(i) ==
'e' || word.toLowerCase().charAt(i) == 'i' || word.toLowerCase().charAt(i) == 'o' ||
word.toLowerCase().charAt(i) == 'u') vowelCount++;
        }

        System.out.println("The vowel count in the word is ." + vowelCount);
    }
}
```

2)

```
import java.util.Scanner;
```

```
public class Sample {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the word");
        String reverseWord = "";
        String word = sc.nextLine();
        int vowelCount = 0;

        int n = word.length();
        for(int i=0; i<n; i++) {
            reverseWord += word.charAt(n-i-1);
        }

        System.out.println("The reversed word is ." + reverseWord);
    }
}
```

3)

```
public class Sample {
    public static void main(String[] args) {
        String sentence = "This is a sample sentence";
        int n = sentence.length();
        String reverseWords = "";

        String word = "";
        for(int i=0; i<n; i++) {
            if(sentence.charAt(i) == ' ') {
                if(!word.equals("")) {
                    reverseWords = word + " " + reverseWords;
                    word = "";
                }
            }
            else word += sentence.charAt(i);
        }

        if(!word.equals("")) reverseWords = word + " " + reverseWords;

        System.out.println(reverseWords);
    }
}
```

4)

```
import java.util.Scanner;

public class Sample {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        String email = sc.nextLine();
        if(email.contains("@") && (email.endsWith("gmail.com") ||
email.endsWith("zohotrainees.com"))) {
            System.out.println("Valid Email");
        }
        else System.out.println("Invalid email");
    }
}
```

5)

```
public class Sample {  
    public static void main(String[] args) {  
  
        String sentence = "this is a sample sentence that needs to be capitalized";  
        int n = sentence.length();  
        String capitalizedSentence = "";  
  
        String word = "";  
        for(int i=0; i<n; i++) {  
            if(sentence.charAt(i) == ' ') {  
                capitalizedSentence += " " + word.toUpperCase().charAt(0) +  
word.substring(1);  
                word = "";  
            }  
            else word += sentence.charAt(i);  
        }  
  
        capitalizedSentence += " " + word.toUpperCase().charAt(0) + word.substring(1);  
  
        System.out.println(capitalizedSentence);  
    }  
}
```

6)

on for this exercise. You can  
ou continue you evolve your



## You've completed Squeaky Clean!

Awesome work. You're one step closer to learning Java 🚀

You've learnt 1 concept by completing this exercise.

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