

4. Write a Java Program that creates two threads object of Thread class. Where one thread asks the user to enter a number not less than four digits. Split the digits of the number and display in words the value of the number. Ex: 1 – One. Second thread finding the number of vowels in a word. Ex: JAVA – Vowel - A, Count – 2.

```
import java.util.Scanner;

public class Thread1 extends Thread{

    String []digits = {"zero","one", "two", "three", "four", "five", "six", "seven", "eight", "nine"};

    public void run() {

        try {

            int number = 0;

            System.out.println("Enter the 4 digit number : ");

            Scanner sc = new Scanner(System.in);

            number = sc.nextInt();

            String enumber = String.valueOf(number);

            if (enumber.length() < 4) {

                throw new Exception();

            } else {

                while(number!=0) {

                    int value = number % 10;

                    System.out.println(digits[value]);

                    number = number / 10;

                }

            }

        } catch(Exception e) {

            System.out.println("Entered number was less than a 4 digit number.");

        }

    }

}

public class Thread2 extends Thread{

    public void run() {
```

```

String input;

ArrayList<Character> vowelList = new ArrayList<Character>();

vowelList.add('a');

vowelList.add('e');

vowelList.add('i');

vowelList.add('o');

vowelList.add('u');

System.out.print("Enter the input text : - ");

Scanner sc = new Scanner(System.in);

input = sc.next();

char []inputText = input.toCharArray();

int vowelCount = 0;

for(int i=0; i<input.length(); i++) {

    char target = inputText[i];

    if(vowelList.contains(target)) {

        vowelCount++;

    }

}

System.out.println("The vowel count is " + vowelCount);

}}

public class Main {

    public static void main(String[] args) {

        Thread1 obj1 = new Thread1();

        Thread2 obj2 = new Thread2();

        obj1.start();

        obj2.start();

    }
}

```