PROGRAMS

1. *(Check SSN)* Write a program that prompts the user to enter a Social Security number in the format ddd-dd-dddd, where d should be a digit. The program displays Valid SSN for a correct Social Security number or Invalid SSN otherwise.

Some example run of the program are shown as below:

```
Enter a string for SSN (ddd-dd-dddd): 122-35-124
Invalid SSN
```

```
Enter a string for SSN (ddd-dd-dddd): 12-35-4569
Invalid SSN
```

```
Enter a string for SSN (ddd-dd-dddd): 12a-56-78966
Invalid SSN
```

```
Enter a string for SSN (ddd-dd-dddd): 456-89-7896
Valid SSN
```

```
Enter a string for SSN (ddd-dd-dddd): 128-456-8796
Invalid SSN
```

```
Enter a string for SSN (ddd-dd-dddd): 456-85-9641
Valid SSN
```

2. Write a program in which the following string variable is defined.

```
my_string=" Volcanos are rupture in the crust of a planetary object, such as Earth."
```

Write a program that process `my_string` content and finds the *number of the words* and *average number of characters* in words in the string. Your program should display these results at the end of your program.

Note: commas (,), periods (.), and spaces ( ) are not a part of the string so they should be eliminated by the program so they shouldn't be counted in the characters in the words.

Terminal output of the program should look as below:

```
String:  Volcanos are rupture in the crust of a planetary object, such as Earth.
Total number of words: 13
Average number characters: 4.38
```