

Assignment-2

VaultofCodes-Python Programming

Code-file:

Program to count the frequencies of the word in the given text:

```
import collections # importing the collections module
def count_word_frequencies(text): # defining the user defined function
    word=text.split() # using split function to split the words in a given text
    word_frequencies=collections.Counter(word) # using counter function in collections module
    return word_frequencies
text=input("Enter the text:")
frequencies=count_word_frequencies(text) #function calling
print("the word frequencies in a given text is:",frequencies)
```

program to check whether the entered word is a palindrome or not (palindrome checker):

```
word=input("Enter the word:") #inputs the word
word=word.lower() #converts the word to lower so that there would be no discrepancy
if(word==word[::-1]): # checks the entered word and the word from last to first is same
    print(f"{word} is a palindrome\n")
else:
    print(f"{word} is not a palindrome\n")
```

program to display the squares of the numbers in the list:

```
list1=list(range(1,11)) # using range function to generate numbers in the range specified
print("the square of numbers in list are:")
for i in list1:
    (print(i*i))
```

By

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