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Python Programs Assignment - 2

1. Write a program to fetch all even numbers from list?
   lst = [10,11,13,14,9,8]   #[10,14,8]
2. Write a program to fetch all string values from list?
   lst = [10,'a',True,'b',False]   #['a', 'b']
3. Write a program to fetch all 5 divisibles from list?
   lst = [12,15,27,20,5]   #[15,20,5]
4. Write a program to count total number of int values in the list
   lst = [10,'a',20,True,30,'b',40]   #4
5. Write a program to count total number of characters in the string(including space)?.
   st = 'Python language'   #15
6. Write a program to count total number of words in the string.
   st = 'python narayana tech house hyd'   #5
7. Write a program to fetch all vowels from the string?
   st = 'Python language'   #['o','a','u','a','e']
8. Write a program to count total number of vowels
   st = 'python narayana'   #5
9. Write a program to count total number of characters in the string(excluding space)?
   st = 'python is a simple language'   #23
10. Write a program to count total number of consonants in the string?
    st = 'python language'   #9
11. Write a program to fetch all words which starts with vowel from given string?
    st = 'Python is simple and easy language' #['is', 'and', 'easy']

12. Write a program to fetch all words which ends with consonent in the given string?
    st = 'Python is simple and easy language'   #['Python', 'is','and', 'easy']
13. Write a program to fetch all words which 'a' two or more then two times?
    st = 'Python is simple and easy language'   #['language']
14. Write a program to count number of characters of each word in the string?
    st = 'Python is simple and easy language'   #[6,2,6,3,4,8]
15. Write a program to fetch the first and last character from each word in the string?
    st = 'Python is simple and easy language'   #['Pn', 'is', 'se', 'ad', 'ey', 'le']
16. Write a program to fetch all words which contains 'a' character in the string?
    st = 'Python is simple and easy language'   #['and', 'easy', 'language']
17. Write a program to fetch all words which does not contain 'e' character in string?
    st = 'Python is simple and easy language'   #['Python', 'is', 'and']
18. Write a program to fetch all words which contains only 4 or lessthen 4 characters?
    st = 'Python is simple and easy language'   #['is', 'and', 'easy']
19. Write a program to fetch all words which contain odd number of characters in the string?
    st = 'Python is simple and easy language'   #['and']
20. Write a program to fetch all words which starts and ends with vowel in the string?
    st = 'Python is number one language'   #['one']
21. Write a program to fetch all palindrome words from list?
    names = ['madam', 'python','dad','language','eye','malayalam']
    #['madam', 'dada', 'eye', 'malayalam']
22. Write a program to fetch all non-palindrome words from list?
    names = ['madam', 'python','dad','language','eye','malayalam']   #['python', 'language']
23. Write a program to fetch all palindrome words which starts with 'm' character?
    names = ['madam', 'python','dad','language','eye','malayalam']   #['madam', 'malayalam']
24. Write a program to fetch all palindrome words which more then 3 characters?
    names = ['madam', 'python','dad','language','eye','malayalam']   #['madam','malayalam']
25. Write a program to longest palindrome word?
    names = ['madam', 'python','dad','language','eye','malayalam']   #['malayalam']