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List Comprehension Assignment

1. Write a comprehension to fetch all even numbers from list?
lst = [10,11,13,14,9,8] # [10,14,8]
 2. Write a comprehension to fetch all string values from list?
lst = [10,'a',True,'b',False] # ['a', 'b']
 3. Write a comprehension to fetch all 5 divisibles from list?
lst = [12,15,27,20,5] # [15,20,5]
 4. Write a comprehension to count total number of int values in the list
lst = [10,'a',20,True,30,'b',40] # 4
 5. Write a comprehension to count total number of characters in the string(including space)?
st = 'Python language' # 15
 6. Write a comprehension to count total number of words in the string.
st = 'python narayana tech house hyd' # 5
 7. Write a comprehension to fetch all vowels from the string?
st = 'Python language' # ['o','a','u','a','e']
 8. Write a comprehension to count total number of vowels
st = 'python narayana' # 5
 9. Write a comprehension to count total number of characters in the string(excluding space)?
st = 'python is a simple language' # 23
 10. Write a comprehension to count total number of consonants in the string?
st = 'python language' # 9
 11. Write a comprehension to fetch all words which starts with vowel from given string?
st = 'Python is simple and easy language' # ['is', 'and', 'easy']
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12. Write a comprehension to fetch all words which ends with consonant in the given string?
st = 'Python is simple and easy language' #['Python', 'is', 'and', 'easy']
 13. Write a comprehension to fetch all words which 'a' two or more then two times?
st = 'Python is simple and easy language' #['language']
 14. Write a comprehension 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 comprehension 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 comprehension to fetch all words which contains 'a' character in the string?
st = 'Python is simple and easy language' #['and', 'easy', 'language']
 17. Write a comprehension 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 comprehension to fetch all words which contains only 4 or less then 4 characters?
st = 'Python is simple and easy language' #['is', 'and', 'easy']
 19. Write a comprehension to fetch all words which contain odd number of characters in the string?
st = 'Python is simple and easy language' #['and']
 20. Write a comprehension to fetch all words which starts and ends with vowel in the string?
st = 'Python is number one language' #['one']
 21. Write a comprehension to fetch all palindrome words from list?
names = ['madam', 'python', 'dad', 'language', 'eye', 'malayalam']
#['madam', 'dada', 'eye', 'malayalam']
 22. Write a comprehension to fetch all non-palindrome words from list?
names = ['madam', 'python', 'dad', 'language', 'eye', 'malayalam'] #['python', 'language']
 23. Write a comprehension to fetch all palindrome words which starts with 'm' character?
names = ['madam', 'python', 'dad', 'language', 'eye', 'malayalam'] #['madam', 'malayalam']
 24. Write a comprehension to fetch all palindrome words which more then 3 characters?
names = ['madam', 'python', 'dad', 'language', 'eye', 'malayalam'] #['madam', 'malayalam']
 25. Write a comprehension to longest palindrome word?
names = ['madam', 'python', 'dad', 'language', 'eye', 'malayalam'] #['malayalam']
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