



- 11) [2, 4, 8, 16, 32]
- 12) [4, 16, 36, 64, 100]

Eg:

- 1) words=["Balaiah", "Nag", "Venkatesh", "Chiranjeevi"]
- 2) l=[w[0] for w in words]
- 3) print(l)
- 4)
- 5) Output['B', 'N', 'V', 'C']

Eg:

- 1) num1=[10,20,30,40]
- 2) num2=[30,40,50,60]
- 3) num3=[i for i in num1 if i not in num2]
- 4) print(num3) [10,20]
- 5)
- 6) common elements present in num1 and num2
- 7) num4=[i for i in num1 if i in num2]
- 8) print(num4) [30, 40]

Eg:

- 1) words="the quick brown fox jumps over the lazy dog".split()
- 2) print(words)
- 3) l=[[w.upper(),len(w)] for w in words]
- 4) print(l)
- 5)
- 6) Output
- 7) ['the', 'quick', 'brown', 'fox', 'jumps', 'over', 'the', 'lazy', 'dog']
- 8) [['THE', 3], ['QUICK', 5], ['BROWN', 5], ['FOX', 3], ['JUMPS', 5], ['OVER', 4],
- 9) ['THE', 3], ['LAZY', 4], ['DOG', 3]]

Q. Write a program to display unique vowels present in the given word?

- 1) vowels=['a','e','i','o','u']
- 2) word=input("Enter the word to search for vowels: ")
- 3) found=[]
- 4) for letter in word:
- 5) if letter in vowels:
- 6) if letter not in found:
- 7) found.append(letter)
- 8) print(found)
- 9) print("The number of different vowels present in",word,"is",len(found))
- 10)
- 11)
- 12) D:\Python_classes>py test.py