

- 1.wap to print all the values in a tuple to another tuple.
- 2.wap to print all the values in a tuple to another list.
- 3.wap to print all the even digits in a tuple to another tuple.
- 4.wap to print all the even digits in a tuple to another list.
- 5.wap to print all the odd digits in a tuple to another tuple.
- 6.wap to print all the odd digits in a tuple to another list.
- 7.wap to extract all the alphabets in a tuple.
- 8.wap to extract all the numbers in a tuple.
- 9.wap to extract all the special characters in tuple.
- 10.wap to convert the al uppercase alphabets to lower case alphabets.
- 11.wap to convert all the lowercase alphabets to uppercase alphabets.
- 12.wap to find the length of the tuple.
- 13.wap to find the length of the tuple without using Len function.
- 14.wap to find the number of alphabets in a tuple.
- 15.wap to find the number of numbers in a tuple.
- 16.wap to find the number of special characters in a tuple.
- 17.wap to reverse a tuple.
- 18.wap to reverse a tuple w/o using slicing.
- 19.wap to add two tuples.
- 20.wap to remove the repeated values in tuple
- 21.wap to extract the repeated values in a tuple.
- 22.wap to find the sum of the numbers present in a tuple.
- 23.wap to find the sum of ascii values of numbers in a tuple.
- 24.wap to find the sum of the ascii values of special characters in a tuple.

- 25.wap to print number of alphabets present in a tuple, if the sum of the ascii values of alphabets is greater than sum of ascii value of numbers.
- 26.wap to check whether the tuple is empty or not.
- 27.wap to check whether the tuple contains special characters or not.
- 28.wap to check whether the tuple contains numeric value or not.
- 29.wap to check whether the tuple contains alphabets or not.
- 30.wap to print the ascii values of alphabets if the alphabet present in an even index.
- 31.wap to print the sum of the numbers in a tuple, if the number is present in odd index.
- 32.wap to extract all the ovels in a given tuple.
- 33.wap to extract all the consonants is a tuple.
- 34.wap to print the sum of all the ascii values of the alphabet if it is in even index and if it is ovel.
- 35.wap to check whether all the values in a tuple is singe value data type or not.
- 36.wap to check whether all the values in a tuple is multi value data type or not.
- 37.wap to check whether the tuple is homogeneous tuple or heterogeneous tuple.
- 38.wap to check whether the tuple is homogeneous or heterogeneous, if it is homogeneous print the type of values in a tuple.
- 39.wap to extract all the single value datatype values in a tuple.
- 40.wap to extract all the multi value data type values in a tuple.
- 41.wap to extract all the ovel characters in a tuple.
- 42.wap to extract all the values in a tuple if it is in even indexing.
- 43.Wap to extract all the numbers if it is in odd index and if it is divisible by 5.
- 44.wap to extract all the happy numbers in a heterogeneous tuple.

- 45.wap to extract all the perfect numbers in a homogeneous tuple.
- 46.wap to extract all the Armstrong numbers in a tuple.
- 47.wap to check whether the character present in a tuple or not.
- 48.wap to check whether the character present in a tuple or not, if it is present print the ascii value.
- 49.wap to nest a tuple inside to another tuple.
- 50.wap to extract all the even index values in a tuple.
- 51.wap to extract all the odd index values in a tuple, if it is an integer datatype and if it multiple of 3
- 52.wap to extract all odd index values if it is mutable datatype.
- 53.wap to extract all the values in a tuple separately, according to datatype.
- 54.wap to count the number of words in a tuple if the value is a string.
- 55.wap to extract all the odd index values using slicing.
- 56.wap to extract all the odd index values without using slicing.
- 57.wap to concatenate all the string values in a given tuple.
- 58.wap to print datatypes of all the values in a homogeneous tuple.
- 59.wap to print datatypes of all the values in a heterogeneous tuple separately.
- 60.wap to test if a variable is list or set or tuple.
- 61.wap to sort a list of tuples by the second Item.
- 62.wap to print the sum of tuple elements.
- 63.wap to Check if the given element is present in tuple or not.
64. W.A.P to check the second largest number given in the tuple?
- 65.WAP TO Print the sum of all integer numbers in a tuple
- 66.WAP TO Print the sum of even and odd numbers in a tuple.
- 67.WAP TO Print the product of the all the even numbers in a tuple.

68.WAP Check the collection is having middle value or not.

69.WAP to extract the middle value of the tuple.

70.wap to Check whether given data is mutable or immutable in a tuple.

71. W.A.P to get the following output.

```
i/p=('hai', 'hello', 'how', 'are', 'you')
```

```
o/p={'hai':[3,'ai'], 'hello':[5,'e'], 'how':[3,'o'], 'are':[3,'ae'], 'you':[3,'ou']}
```

72.wap to Count the number of complex data items present inside the tuple.

73. Find the sum of even integer numbers if it is present in odd index and divisible by3.

74. Split the given tuple collection of integer numbers into even & odd collection.

75. Count number of string data items present in a tuple.

76. W.A.P to get the following output.

```
i/p= ('hai', 'hello', 'how', 'are', 'you')
```

```
o/p= {'hai':3, 'hello':5, 'how':3, 'are':3, 'you':3}
```

77. Print cube of all even numbers which are divisible by 4

78. W.A.P to get the following output.

```
i/p= ['hai',90,6.7, 'hello',(8,9),'python']
```

```
o/p= (('hai',3),('hello',5),('python',6))
```

79. Extract all the string data items present inside the given tuple only if it is starting from 'a'.

80. Extract all the string data items from a given tuple only if it is at odd index & length is greater than 3.

81. W.A.P to get the following output.

```
i/p='PYTHon is Easy'
```

```
o/p=('PYTHon2','is2','Easy3')
```

82. W.A.P to get the following output.

i/p=(2.3,18,71,'hai',3+2j,{1,2},23)

o/p=(2.3,9,8,3,3+2j,2,5)

83. W.A.P to get the following output.

i/p='abcd hai hello\*'

o/p=['abcd1','hello2']

84. Considering heterogeneous tuple find the sum of individual digits present inside an integer number only if it is having more than 4 digits.

85. Extract all the string values present inside a tuple collection if it is present at odd index & length of string is even (using functions).

86. W.A.P to get the following output (using functions).

i/p= (12, 'abcde', 'python', 89, 4.5, '123')

o/p=((('abcde',5), ('python',6)),('123',3))

87. W.A.P to get the following output.

i/p='hai hello python'

o/p=((('hai',2,'a'), ('hello',2,'el'), ('python',1,'yhyn'))

89. W.A.P to get the following output.

i/p= 'AbcD hAi Hello'

o/p=((('AbcD','bc',2), ('hAi','hi',2), ('Hello','llo',3))

90. W.A.P to find the sum of factorial of all the integer numbers present inside the tuple (using functions).

91. Extract all the integer numbers which are divisible by 5 from the given tuple by using recursion.

92. W.A.P to remove the duplicates from a tuple collection by using recursion (without using typecasting).

93. W.A.P to get the following output (using recursion).

i/p='python is very'

o/p=((('python','nohtyp',6),('is','si',2),('very','yrev',4))

94. Extract all the integer numbers present inside heterogonous tuple, print the cube of all the values.

95. Extract all the integer numbers present inside heterogonous tuple, if value is more than 15 present at odd index.

96. Extract all the integer values present inside given heterogeneous list if it's value is b/w the range 15 -75, and the ASCII value of the number is divisible by 3.

97.wap to print the sum of ASCII values of the integers present in the given tuple if the value present in even index and if the ASCII value is odd.

98.wap to print the product of the indexing number if the indexing number contains alphabets, and if the ASCII value of the character is multiple of 5 in a given heterogeneous tuple.

99.wap to print the second greatest number in a given homogeneous tuple.

100.wap to print the third smallest number in a given homogeneous tuple.

101.wap to copy a tuple into another tuple by excluding the special characters

102.wap to