



```
1  """Write a program that prints the sum of all
2  positive numbers in a list using a for loop and continue statement.
3
4  """
5
6  numbers=[1,2,3,4,-4,-7,-8,5,2,4,5]
7  sum=0
8  for i in numbers:
9      if i<0:
10         continue
11         sum=sum+i
12  print(f"the sum of all possitive numbers in the list {sum}")
13
```



```
1  """Write a simple program that includes a
2  pass statement in a for loop."""
3
4
5  numbers = [1, 2, 3, 4, 5]
6
7  for i in numbers:
8      if i == 3:
9          pass
10     else:
11         print(i)
12
```



```
1  """Write a Python function that uses break to exit
2  early if a certain condition is met while iterating through a list.
3
4  """
5
6  def exit(list1):
7      for i in list1:
8          if i<0:
9              print(f"found a -ve number {i} so exiting the loop")
10             break
11             print(f"previous numbers {i}")
12
13  exit([1,2,3,-4,5,-1,-1,-2,3,4,5])
14
```



```
1  """Write a program that uses continue to skip over certain iterations in a
2  loop that processes a list of strings, skipping strings shorter than 3 characters.
3  strings = ["a", "abc", "defg", "hi", "jkl"]
4
5  """
6
7
8
9  strings = ["a", "abc", "defg", "hi", "jkl"]
10 new_list=[]
11 for i in strings:
12     if len(i)<3:
13         continue
14     new_list.append(i)
15 print(new_list)
16
```



```
1  """Write a Python function that processes a list of numbers,
2  using continue to skip processing for numbers less than 5.
3
4  """
5
6  def less_5(list1):
7      for i in list1:
8          if i<5:
9              continue
10         print(i)
11  less_5([1,2,3,4,5,6,7,8,9,0])
12
13
```



```
1  """Write a program that uses break and continue in a nested
2  loop to find and print the first pair of numbers (i, j) where i * j is greater than 10.
3
4  """
5
6
7  for i in range(1,10):
8      for j in range(i):
9          pro=i*j
10         if pro<=10:
11             continue
12         print(f"first pair of numbers {(i,j)}")
13         break
14
15     else:
16         continue
17     break
18
```



```
1  """Write a program that uses continue to skip over specific words in a list while printing the rest.
2  words = ["apple", "banana", "cherry", "date", "elderberry"]
3  skip_words = ["banana", "date"]
4
5  """
6
7  words = ["apple", "banana", "cherry", "date", "elderberry"]
8  skip_words = ["banana", "date"]
9  for i in words:
10     if i in skip_words:
11         continue
12     print(i)
13
```



```
1  """Write a program that uses a for loop to print
2  numbers from 1 to 10, but breaks the loop when the number is 5.
3
4  """
5
6  for i in range(1,11):
7      if i==5:
8          break
9      print(i)
10
```




```
1  """Write a program that iterates over a list of
2  integers and breaks the loop when a negative number is encountered.
3
4  """
5
6  numbers=[1,2,3,-2,5,6,9]
7  for i in numbers:
8      if i<0:
9          break
10     print(i)
11
```



```
1  """Write a program that prints all even numbers
2  from 1 to 10 using a While loop and continue statement"""
3
4  number = 1
5
6  while number <= 10:
7      if number % 2 != 0:
8          number=number+1
9          continue
10
11     print(number)
12
13     number=number+1
14
15
```