



: Write a function to sort a given mixed list of integers and strings.

```
def sort_mixed_list(mixed_list):
```



```
: def sort_mixed_list(mixed_list):  
    int_list = [x for x in mixed_list if isinstance(x, int  
    str_list = [x for x in mixed_list if isinstance(x, str)]
```

```
    int_list.sort()  
    str_list.sort()
```

```
    return int_list + str_list
```

syntactical error!



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: def sort_mixed_list(mixed_list):  
    str_list = [x for x in mixed_list if isinstance(x, int)]  
    int_list = [x for x in mixed_list if isinstance(x, str)]
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```
    int_list.sort()  
    str_list.sort()
```

```
    return int_list + str_list
```

semantic error!



File "d:\example.py", line 2

```
    int_list = [x for x in mixed_list if isinstance(x, int  
    ^^^
```

SyntaxError: invalid syntax. Perhaps you forgot a comma?



```
PS C:\Users\86152> & C:/Users/86152/AppData/Local/Programs/Python/Python311/python.exe d:/example.py  
Traceback (most recent call last):  
  File "d:\example.py", line 10, in <module>  
    assert sort_mixed_list([3, 'apple', 2, 'banana', 1, 'cherry']) == ['apple', 'banana', 'cherry', 1, 2, 3], "Test case 1 failed"  
AssertionError: Test case 1 failed  
PS C:\Users\86152> & C:/Users/86152/AppData/Local/Programs/Python/Python311/python.exe d:/example.py  
Traceback (most recent call last):  
  File "d:\example.py", line 11, in <module>  
    assert sort_mixed_list([1, 3, 2, 'a', 'b', 'c']) == ['a', 'b', 'c', 1, 2, 3], "Test case 2 failed"  
AssertionError: Test case 2 failed  
PS C:\Users\86152> & C:/Users/86152/AppData/Local/Programs/Python/Python311/python.exe d:/example.py  
Traceback (most recent call last):  
  File "d:\example.py", line 12, in <module>  
    assert sort_mixed_list(['apple', 'banana', 'cherry', 1, 2, 3]) == ['apple', 'banana', 'cherry', 1, 2, 3], "Test case 3 failed"
```