

Multiple choice

1. D
2. D
3. C

Selected solutions to the written questions

4. Write a function that takes a single string parameter. The function should return this string but each comma (,) in the string should be replaced by a colon (:).

Solution 1: uses built in string replace function

```
def modify (aQuote):  
    temp = aQuote.replace(",",":")  
    return temp
```

Solution 2: Perform the replace manually - just for practice and fun :P

```
def myModify (aQuote):  
    i = 0  
    size = len(aQuote)  
    temp = ""  
    for i in range (0, size, 1):  
        if (aQuote[i] <> ","):  
            temp = temp + aQuote[i]  
        else:  
            temp = temp + ":"  
    return temp
```

Main

```
bruceLeeQuote = "Absorb what is useful, reject what is useless, add what is specifically your own."  
newQuote = modify (bruceLeeQuote)  
print newQuote
```

```
newQuote = myModify(bruceLeeQuote)  
print newQuote
```

5. Write a function that takes two parameters, the first a list of strings and the second a string called sub. Your function should remove from the list all those strings that have sub as a substring.

```
def removeOccurrences (data, sub):
```

```
    i = 0
    size = len(data)
    temp = []
    for i in range (0, size, 1):
        if not(sub in data[i]):
            temp.append(data[i])
    return temp
```

```
def display (data):
```

```
    i = 0
    size = len(data)
    for i in range (0, size, 1):
        print "Element", i, data[i]
    print
```

```
def main ():
```

```
    data = ["sup?!",
            "foo",
            "hello foo",
            "fooey",
            "Guten tag",
            "foo it all",
            "good foo u",
            "Buennos",
            "Wei",
            "ah fooooo, bless foo",
            "Konichiwa",
            "Shalom",
            "Bonjuour",
            "Salaam",
            "foo to you too",
            "foo good times, foo bad times",
            ]
    sub = "foo"
    display(data)
    data = removeOccurrences(data,sub)
    display(data)
```

Good luck with the real exam!