# Python Test Paper

# Please find and solve in the following codes

- each code section has 1 error.
- solve the bugs
- fill in the code where you find underscores(_)
- each error found or solve = 1 point
- maxpoints = 20

### question 1

In [ ]:
```
x = "5"
y = 5
x == y

#output
____
```

### question 2

In [ ]:
```
fruits = ['banana','apple','pear']
if fruits:
    print(f"We have len(fruits) fruits")
```

### question 3

In [ ]:
```
fruitstring = "banana,pear,apple"
fruitlist = fruitstring.split(,)
```

### question 4

In [ ]:
```
__________ = "A computer would deserve to be called intelligent if it could deceive a human into
believing that it was human"
quotelist = quotestring.split(' ')
print(quotelist)
```

### question 5

In [ ]:
```
numberoftwoletterwords = 0
for word in quotelist:
    if len(word == 2:
        numberoftwoletterwords += 1
print(numberoftwoletterwords == 5) # This will be True if you've done it right
```

### question 6

In [ ]:
```
fruitlist = ['banana' 'pear' 'apple']
delimiter = ","
fruitstring = delimiter.join(fruitlist)
print(fruitstring)
```

## question 7

In [ ]:
```
text = "We spend our time searching for security and hate it when we get it"
found = text.find('security')

if _____ == -1:
    print("No security found! :(")
else:
    print("Security found at position " + str(found))
```

## question 8

In [ ]:
```
text = "You can not compare apples and pears"
text = text.replace("pears", "apples")
text = text._______("not", "")
print(text)
```

## question 9

In [ ]:
```
text = "Research has shown that it is often still possible to understand text even if all vowels a
re removed"
for vowel in ("a","i","e","o","u"):
    ____ = text.replace(vowel,"")
print(text)
```

## question 10

In [ ]:
```
s = "   strip me!    "
print(s.strip())
#output
_________
```

## question 11

In [ ]:
```
teachers = "Folgert Karsdorp and Maarten van Gompel"
print(teachers.lower())
print(teachers.upper
```

## question 12

In [ ]:
```
words = ["BlA", "plop", "blA", "Bla", "PLoP", "bLa", "pLop", "BLA"]
count = 0
for word in words:
    if word.lower() == "bla":
        count += 1
print(count)
# output
__
```

### question 13

In [ ]:
```
fruittuple = ('banana','apple','pear')
print(fruittuple[0)]
```

### question 14

In [ ]:
```
fruitset = {'banana', 'apple', 'pear'}
fruitset.add('banana') # will have no effect, banana already exists
fruitset.add('orange')
print(len(fruitset))
#output
__
```

### question 15

In [ ]:
```
numbers = [1, 2, 3, 4, 5]
print(min(numbers))
print(max(numbers))
print(sum(numbers))
#output
__
__
__
```

### question 16

In [ ]:
```
numbers = [1, 2, 3, 4, 5 }
doublenumbers = [number*2 for number in numbers]
print(doublenumbers)
```

### question 17

In [ ]:
```
numbers = [1, 2, 3, 4, 5]
numbers = [ x + 2 ___ x __ numbers]
```

### question 18

In [ ]:
```
import ______

number = 0
while number != 42:
    number = random.randint(0, 100)
    print(number)
```

## question 19

In [ ]:
```
f = open('data/austen-emma-excerpt.txt')
text = f.read()
f.close
print(text)
```

## question 20

In [ ]:
```
f = open('data/testouput.txt')
f.write("Hello world!")
f.close()
```