

```
# CST 186 Winter 2013
# Dennis Roebuck
# 1/25/13
```

```
# The ScoreBoard
# This program allows users to enter a gamer's score and it will tell
# the user what it thinks about the gamer, respectively.
```

```
print "Welcome to the ScoreBoard!"
print "Winning does NOT come naturally... It comes to those who can play the game!!!\n"
```

```
score = raw_input("Enter you score: ")
```

```
if score >= 10000:
    print "Now I'm impressed!!! You Da' Man!!!";
```

```
if score <= 9999:
    print "Good score... You might be work'n w/something...";
```

```
if score <= 9999:
    print "That ain't SH*T!!! DO BETTER!!!";
```

```
if score < 0:
    print "Something just aint right with this picture!!!";
```

```
raw_input("\n\nPress enter to see the next gamer's shame!!!")
```

First, you are storing the user's input, which is a 'String' data into the *score* variable. So, *score* is string data.

Next you try to compare *score*, which is a String, to 10000, which is Number data.

First fix: Nest the raw_input() function inside the int() function to convert the user's String input to an Integer data type before assigning it to the *score* variable.

See the file: Ch01_Proj01_FirstFixResults.

```

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# the user what it thinks about the gamer, respectively.

print "Welcome to the ScoreBoard!"
print "Winning does NOT come naturally... It comes to those who can play the game!!!"

score = int(raw_input("Enter you score: "))

if score >= 10000:
    print "Now I'm impressed!!! You Da' Man!!!";

if score <= 9999:
    print "Good score... You might be work'n w/something...";

if score <= 9999:
    print "That ain't SH*T!!! DO BETTER!!!";

if score < 0:
    print "Something just aint right with this picture!!!";

raw_input("\n\nPress enter to see the next gamer's shame!!!")

```

Fix 1: int(...)

Python 2.3.5 (#62, Feb 8 2005, 16:23:02) [MSC v.1200 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.

```

*****
Personal firewall software may warn about the connection IDLE
makes to its subprocess using this computer's internal loopback
interface. This connection is not visible on any external
interface and no data is sent to or received from the Internet.
*****

```

```

IDLE 1.0.5      ==== No Subprocess ====
>>>
Welcome to the ScoreBoard!
Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: -1
Good score... You might be work'n w/something...
That ain't SH*T!!! DO BETTER!!!
Something just aint right with this picture!!!

Press enter to see the next gamer's shame!!!

```

Results of Fix 1... aren't quite right either. Why does it display 3 of the 4 possible messages?

...because of the IF logic. In the example code on the left, there are 4 separate IF statements and each is evaluated separately. The value entered in this example, -1, is not >= 10000 so the first message does not print. However, it is <= 9999... and 9999 (which I think was meant to be 999...) and it is also < 0. So, the last 3 messages will print.

The fix: Turn the 4 IF statements into 1 IF-ELSE statement. See the file Ch03_Proj01_SecondFixResults.

```

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print "Welcome to the ScoreBoard!"
print "Winning does NOT come naturally... It comes to those who can play the game!!!"

score = int(raw_input("Enter you score: "))

if score >= 10000:
    print "Now I'm impressed!!! You Da' Man!!!"
elif score <= 9999:
    print "Good score... You might be work'n w/something..."
elif score <= 999:
    print "That ain't SH*T!!! DO BETTER!!!"
else:
    print "Something just aint right with this picture!!!"

raw_input("\n\nPress enter to see the next gamer's shame!!!")

```

Notice the elif key words... and the removal of the semi-colons.

I also changed the second occurrence

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```

```

IDLE 1.0.5      ==== No Subprocess ====
>>>
Welcome to the ScoreBoard!
Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: -1
Good score... You might be work'n w/something...

Press enter to see the next gamer's shame!!!

```

The results still don't look right!

The second message printed because -1 IS LESS THAN 9999.

Let's go to Fix 3.

```
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# The ScoreBoard
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# the user what it thinks about the gamer, respectively.

print "Welcome to the ScoreBoard!"
print "Winning does NOT come naturally... It comes to those who can play the game!!!"

score = int(raw_input("Enter you score: "))

if score >= 10000:
    print "Now I'm impressed!!! You Da' Man!!!"
elif 1000 <= score <= 9999:
    print "Good score... You might be work'n w/something..."
elif 0 <= score <= 999:
    print "That ain't SH*T!!! DO BETTER!!!"
else:
    print "Something just aint right with this picture!!!"

raw_input("\n\nPress enter to see the next gamer's shame!!!")
```

This fix creates ranges of values for the messages.
(Notice the 'odd' syntax for creating these ranges.)

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*****
```

IDLE 1.0.5 ==== No Subprocess ====

>>>

Welcome to the ScoreBoard!

Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: -1

Something just aint right with this picture!!!

This looks better!

Press enter to see the next gamer's shame!!!

>>> |

...but this message leaves me to believe I can enter
another score.... but instead it just quits the program.

```
Python Shell
File Edit Debug Options Windows Help

interface and no data is sent to or received from the Internet.
*****

IDLE 1.0.5      ==== No Subprocess ====
>>>
Welcome to the ScoreBoard!
Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: -1
Something just aint right with this picture!!!

Press enter to see the next gamer's shame!!!
>>>
Welcome to the ScoreBoard!
Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: 999
That ain't SH*T!!! DO BETTER!!!

Press enter to see the next gamer's shame!!!
>>>
Welcome to the ScoreBoard!
Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: 9999
Good score... You might be work'n w/something...

Press enter to see the next gamer's shame!!!
>>>
Welcome to the ScoreBoard!
Winning does NOT come naturally... It comes to those who can play the game!!!

Enter you score: 99999
Now I'm impressed!!! You Da' Man!!!

Press enter to see the next gamer's shame!!!

Ln: 47 Col: 44
```

These all look right!