

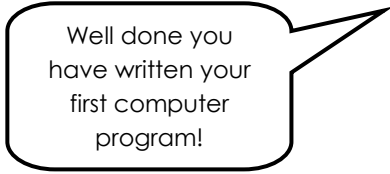
- I am learning how use to use basic Python Syntax

My First Python Program

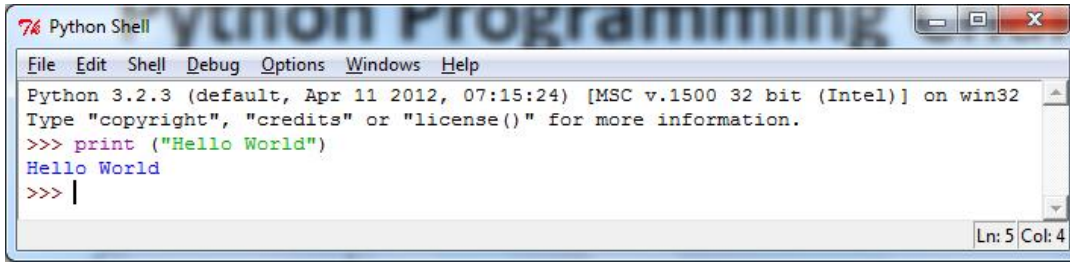
Practise Task:

Write this program in Python:

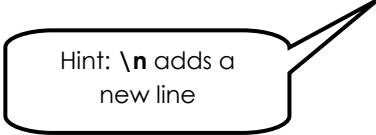
```
print ("Hello World")
```



It should look something like this:



Now try these:



- ☞ Write a program to write your name on screen
- ☞ Write a program that displays the following text:

This is a computer program
On
Three lines
- ☞ Write a program that displays a joke on 2 lines

Self Assessment:	
Completed Successfully?	
Did you encounter any errors? How did you solve them?	
What did you find difficult?	

Syntax Error

Syntax errors are very common in programming. If there are tiny mistakes in your code the program produces a syntax error. Colons, brackets, speech marks, apostrophes and spelling of words in Python need to be just right. Although we can read the sentences with these mistakes a computer cannot

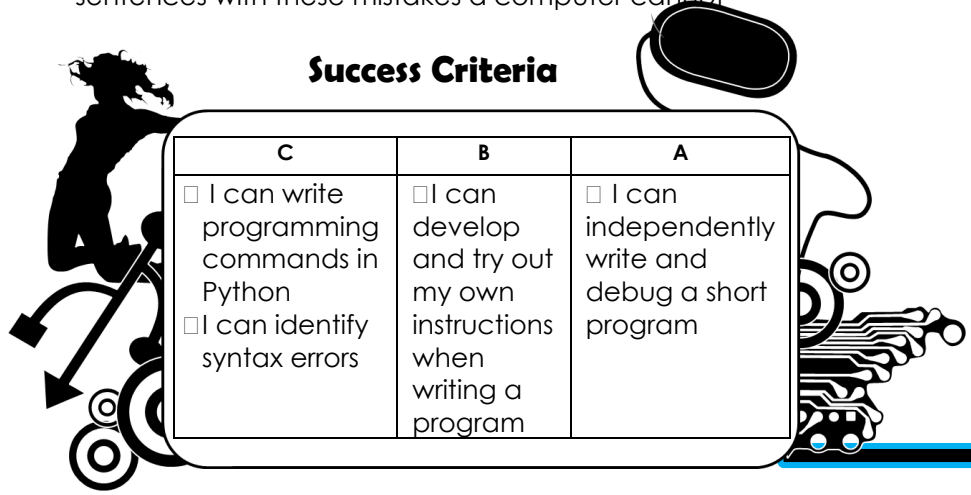


Success Criteria

C	B	A
<input type="checkbox"/> I can write programming commands in Python <input type="checkbox"/> I can identify syntax errors	<input type="checkbox"/> I can develop and try out my own instructions when writing a program	<input type="checkbox"/> I can independently write and debug a short program

Quick Quiz

- Which one of these lines of code is correct?
1. Print ("Hello World!")
 2. print ("Hello World!")
 3. print (Hello world!)
 4. Print "Hello World!"



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Using Variables

Practise Task:

Write this program in Python:

```
name = "Bob"  
print ("Hello" + name)
```

On the first line you see the word **name**. This is a variable that was created. And we assigned it the name 'Bob'. A variable is a space in the computers memory where we can store, for example a string or integer. When assigning a string you need to use quotation marks.

Now try this:

🔗 Complete the following program so it used the variable to print out the 'cat sat on the mat'. It should print out on one line, with spaces.

E.g.

```
Word1 = "the"  
Word2 = "cat"  
Word3 = "sat"  
Word4 = "on"  
Word5 = "the"  
Word6 = "mat"
```

[Complete the program here]

Self Assessment:

Completed Successfully?	
Did you encounter any errors? How did you solve them?	
What did you find difficult?	

While you wait:

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Quick Quiz

What does the print command do?

What is a variable?

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Getting User Input

Practise Task:

Write this program in Python:

```
name = input ("what is your name?")
print ("Hello" + name)
```

This program is similar to the last program you wrote except this time we are asking the user for their name by using the input() command.

Now try this:

✎ Write a program that asks the user for their name and then responds by asking for their favourite food. The second question must contain their name. Make up a response to the second question, for example, I liketoo.

Self Assessment:

Self Assessment:	
Completed Successfully?	
Did you encounter any errors? How did you solve them?	
What did you find difficult?	

Python is a Calculator too!

Task:

Complete the table to find out what the following equations do

Equation	Answer	What does it do?
2+5		
67/34		
20**5		
30*4		
3==6		
3!=5		
39==39		
20%8		

While you wait:
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And create an account if you haven't already.
Complete the first section

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Challenges

- Write a program that has 3 variables (a, b and c). a = 12 and b = 6. C should equal to a plus b. The program should print c

We can multiply strings. Try this out

```
name = input ("what is your name?")  
print (name * 3)
```

- Write a program that asks the user for their first name and then asks them for their surname. The program should then print their whole name 3 times.

E.g:

What is your first name?

What is your surname?

Peter Piper Peter Piper Peter Piper

- Write a program that uses the following variable to calculate the number of minutes in a week:

DaysPerWeek

HoursPerDay

MinutesPerHour

Self Assessment:

Self Assessment:	
All challenges Completed Successfully?	
Did you encounter any errors? How did you solve them?	
What did you find difficult?	