



# Year 11 Bridging Work for Computer Science

## Weeks 3 and 4



Complete



Click on the link below to open PYTHON idle required to complete this task:

Open a blank Python template trinket by clicking on the link below:

**Link**  
[jump.to/cc/python-new](http://jump.to/cc/python-new).  
**Time: 50 mins**



Read

Computational thinking  
Abstraction  
Algorithms  
Decomposition

*Read at least twice*

**Link**  
**BBC bitesize**  
**Time: 50mins**



Listen

What is Python Programming

**Link**  
[www.youtube.com/watch?v=WvhQhj4n6b8](https://www.youtube.com/watch?v=WvhQhj4n6b8)

**Time: 18 mins**



Complete



### Instructions:

**You are required to follow the instructions on this "Read" column to achieve the object in the "Outcome" column**



Read

### What you will learn:

Use basic programming constructs to create simple programs

### What you will need:

Open the blank Python template trinket

**Link**  
[: jump.to/cc/python-new](http://jump.to/cc/python-new).

**Time: 50 mins**



Watch

Watch Introduction to 'Getting started with Trinket'

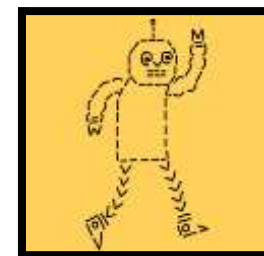
**Link**  
<https://www.youtube.com/watch?v=anjv3qGgdgk>  
**Time: 11 mins**



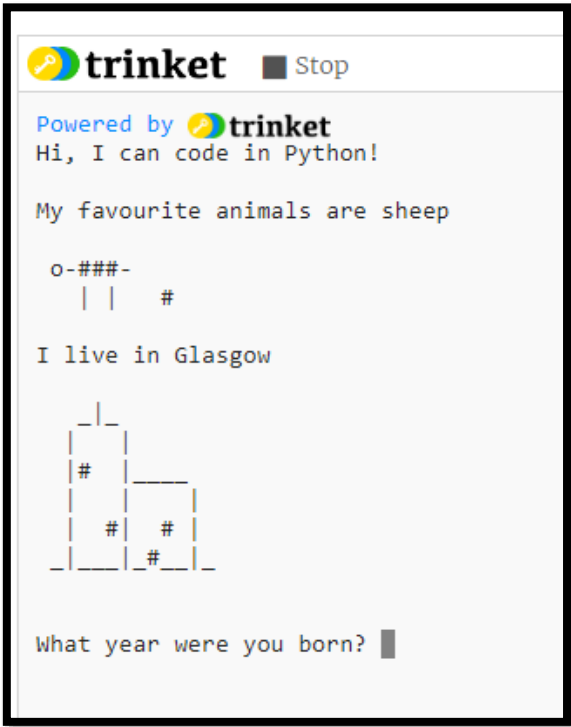
Complete

Outcome

**Your final code would look similar to the object below:**




**Link**  
**Time:**



Link  
[jump.to/cc/python-new](https://jump.to/cc/python-new)

Time: 50 mins




 **Watch**

What is Computational thinking

Link  
<https://www.youtube.com/watch?v=u2NOaLzf4AU>

Watch at least twice


Time: 12 mins

**Read** 

Types of Programming languages:  
 High level languages  
 Low Level languages  
 Assembly languages  
 Machine language  
 Translators

Link  
[www.bbc.co.uk/bitesize/guides/z4cck2p/revision/1](http://www.bbc.co.uk/bitesize/guides/z4cck2p/revision/1)

Time: 50 mins

 **Complete**

Write short definitions with examples on;  
 High level languages  
 Low Level languages  
 Assembly languages  
 Machine language  
 Translators

Link  
 BBC bitesize

Time: 40 mins

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