

Year 10 Week 1

- 1) Go to <https://www.bbc.co.uk/bitesize/guides/z7ddqhv/revision/1> (cover **all** four pages) and then answer the following questions:
 - a) When we say 'memory' in computer science, do we mean 'primary memory' or 'secondary storage'?
 - b) Which is faster, reading from primary memory or reading from secondary storage?
 - c) What does memory hold?
 - d) There are 3 types of memory. Which are they? Write about two lines about each one.
 - e) Write two programs that are found in the BIOS.
 - f) What is the advantage of having a large RAM?
- 2) What will the following piece of code perform? Before you try it out on your computer you should try to reason out what it does:

```
for (int i=1; i<=6; i++)  
    System.out.println (i);
```

- 3) Using the for-loop write a program that displays the following:

(i) 10 20 30 40 50	(ii) 9 *** 12 *** 15 *** 18 ***
(iii) *20* *22* *24* *26*	(iv) 1***2 2***3 3***4 4***5 5***6 6***7 7***8
(v) 1***1 2***4 3***9 4***16 5***25 6***36	(vi) * ** *** **** ***** ***** *****

- 4) Write a program in Java where a user enters 7 numbers and the program finds the average of these numbers (use a for-loop).

5) Write a program in Java where a user enters 6 numbers and the program finds the highest number.