**Data structures: Stacks**

Video 5 for overview, video 10 for how to add, remove and traverse <https://rb.gy/sybilf>

**General questions on the data structure**

1.Where are items placed when they are added to a stack

2. What is this called?

3. Where are data items removed from when using a stack?

4. What is this called?

5.When peeking at a stack where do you look?

6.What is the every day analogy used to refer to stacks?

7.What acronym is used to remember how data is added and removed from a stack?

8.What role does the stack pointer play ?

9.What happens if you try and add an item to an already full stack?

10. Wha happens if you try and remove data from an empty stack?

11. What two methods can you implement a stack(as far as the exam board are concerned any way)

12.List some of the applications of stacks?

13. What three operations can you perform on a stack?

**Questions on stack operations**

1. Visualise how data is added to a stack and write down the steps involved pushing(adding) data to a stack

2. Visualise how data is added to a stack and write down the steps involved in removing data(popping) data to a stack

2.5 Now repeat this for peeking on a stack