**Question 1**

1. A list
2. The purpose of the program is find the possible maximum sum of a group of elements in the list. 14 is the first element and the biggest member of the list so it is initialised to the variable maxsum. This is so that after all the elements have been added it can check if the sum of all elements in the list is larger that biggest value in the list. This makes it faster to find the highest sub maximum value.
3. The for loop is specified too run from the first element in index 0 to the last element specified by len(lst). Len() is a function used to get the length of the list. So len(lst) gets the length of the list lst and the loop will run till that range. The sumz variable is originally initialised to zero. Its purpose is to capture add the value in the list at a specified index to itself. This is so that it can get the sum of all numbers in the list.
4. The maxSum is determined by whether the sum of all elements in the list is greater than the highest value in the list. If it is maxSum changes the value from the highest value in the list being 14 to the sum of all elements in the list. If not it remains as 14
5. O1 is the time complexity

**Objectives**

1. Answer is C
2. Answer is B
3. Answer is B
4. Answer is D
5. Answer is C
6. Answer is C
7. Answer A
8. Answer is D
9. Answer is A
10. Answer is A