Assignment – Day 5

1. Check if a given input number is a perfect square

Ex: 16 is a perfect square 4 * 4 , while 15 is not.   *[Marks: 2]*

2. Find if a number is present in a list   *[Mark: 1]*

3. Give a list of tickets for candidates, find out who is the winner

Ex: ['a', 'b', 'a', 'c', 'a'] Here there are total 3 candidates contesting 'a', 'b' and 'c'.

And winner is 'a' as he got the highest votes   *[Marks: 2]*

4. Find if the sub-string exists in the string without using in operator   *[Marks: 3]*

5. Given a list of strings find the longest common prefix for them
Example: Input: ["flower","flow","flight"]
Output: "fl".   *[Marks: 3]*