

## *Python Assignment - 1*

### *String*

1. Define different types of variables (integer, boolean, string, float, complex) and print their values and their types
2. In the above question convert float variable into integer type and integer variable into str type.
3. What will you get converting “abc” into boolean ?
4. Print the substring from index 2 to index 4 for any given string. For example (llo) from “Hello World”
5. Write a program to check a substring in a given string. For example 'e' is present in the word 'Umbrella'
6. Use the correct comparison operator to check if 5 is **not equal** to 10.
7. Write a program to get a string from the user and sort the words of the string in alphabetical order.
8. Join two words using special characters like ‘ – ‘ ,’#’
9. Find all occurrences of “INDIA” in a given string ignoring the case.

```
input_str = "Welcome to INDIA. india is awesome."
```

10. Replace first two 'l' with 'n' in 'Hello World'
11. Write a program that takes your full name as input and displays the abbreviations of the first and middle names except the last name which is displayed as it is. For example, if your name is Robert Brett Roser, then the output should be R.B.Roser.
12. Write a program to check if a given string is a Palindrome.  
A palindrome reads the same from front and back e.g.-  
aba, ccaacc, mom, etc.