

# Assignment Questions

## Assignment Questions

**1. Write a java program to Reverse a string without using the inbuilt method.**

**Ans-**

```
public class StringReverse {  
    public static void main(String[] args) {  
        String name = "Hello hi";  
        String reverse="";  
  
        for (int i = name.length() - 1; i >=0; i--) {  
            char chaar = name.charAt(i);  
            reverse = reverse + chaar;  
        }  
        System.out.println(reverse);  
    }  
}
```

**2. Write a java program to know whether the given string is palindrome**

**Ans-**

```
class Palindrome {  
    public static void main(String args[]) {  
        String original, reverse = "";  
        Scanner in = new Scanner(System.in);  
        System.out.println("Enter a string to check if it is a palindrome");  
        original = in.nextLine();  
        int length = original.length();  
        for (int i = length - 1; i >= 0; i--)  
            reverse = reverse + original.charAt(i);  
        if (original.equals(reverse))
```

```

        System.out.println("Entered string is a palindrome.");
    else
        System.out.println("Entered string isn't a palindrome.");
    }
}

```

**3. Write a java program to convert upper case to lower case and vice versa.**

**Ans-**

```

public class UpperToLowerCase {
    public static void main(String[] args) {
        String S1 = "ineuron";
        String S2 = "";
        for (int i = 0; i < S1.length(); i++) {
            if ((S1.charAt(i) >= 'a') && (S1.charAt(i) <= 'z')) {
                S2 = S2 + (char) (S1.charAt(i) - 32);

            } else if ((S1.charAt(i) >= 'A') && (S1.charAt(i) <= 'Z')) {
                S2 = S2 + (char) (S1.charAt(i) + 32);

            }

        }

        System.out.println(S2);
    }
}

```

**4. Write a java program to remove a particular character from a String.**

**Ans-**

```
public class RemoveChar {  
    public static void main(String args[]) {  
        String str = "this is Java";  
        System.out.println(removeCharAt(str, 3));  
    }  
  
    public static String removeCharAt(String s, int pos) {  
        return s.substring(0, pos) + s.substring(pos + 1);  
    }  
}
```

**5. Write a java program to find the index of a substring.**

**Ans-**

```
public class SearchString{  
    public static void main(String[] args) {  
        String strOrig = "Hello readers";  
        int intIndex = strOrig.indexOf("Hello");  
  
        if(intIndex == - 1) {  
            System.out.println("Not found");  
        } else {  
            System.out.println("Found at index " + intIndex);  
        }  
    }  
}
```