**Assignment 3:**

**Give Regular expressions and python code for following scenarios.**

1. Match a valid email address. (l1f20bscs0001@ucp.edu.pk)
2. Extract all the URLs from a given text.
3. Validate a phone number in a specific format.
4. Find all the words that start with a capital letter in a sentence.
5. Replace all occurrences of a specific word with another word in a given text.
6. Extract all the numbers from a string.
7. Determine if a string contains only alphanumeric characters.
8. Find all the HTML tags in an HTML document.
9. Extract all the words ending with "ing" in a sentence.
10. Remove all whitespace characters from a string.