Assignment.

Q.1 Write a Simple string to take a input from user.

→

```
Package String;

import util.*;

class Simplestring {
{
  Public Static Void main (String [] args)
  {
      Scanner St = new Scanner (System.in);
      System.Out.Println ("Enter String");
       String User = St.Nextline ();
      System.out.Println (" Entered String = " + User)
  }
}
```

Q.2) How do you Concatenate two String in Java? Give an Example ?

→ we Can Concatenate two strings usin '+' Operator or 'Concatey' method.

Using '+' operator

```
Class StringEx Concatenate {

    Public Static Void main (String [] args)
  {
      String Str1 = "Hello";
      String Str2 = "World";
      String res = Str1 + " " + Str2.
      System.out.Println (res );
  }
}
```

using 'Concate()' method.
ex:-

```
Class Concatestring {
    Public static void main (String[] args
        String str1 = "Hi"
        String str2 = "PW skills"
        String res = Str1.Concate(Str2);
        System.out.println (res);
    }
}
```

3. How do you find the length of a string in java. Explain with an example?

→ We can find the length of string using 'length()' method. This method returns number of characters in the string including whitespace.

⇒ Example:-

```
Class stringlength {
    Public static void (String[] args)
    {
        String str1="Hello";
        int strength = Str.length();
        System.out.println (strength);
    }
}
```

Q.4) How do you Compare two strin in java? Give Example
→ we Can Compare two Strings using several methods.

1) equals()
2) CompareTo()
3) equalsIgnoreCase()

Examples

1) equals()

```
String str1 = "Hello";
String str2 = "Hello";
boolean areEqual = str1.equals(str2);
System.out.println("Strings are equal:" +areEqual);
```

2) using CompareTO()

```
String str1 = "apple";
String str2 = "banana";

int result = str.CompareTO(str2);
System.out.println(result);
```

3) using EqualsIgnorelase().

```
String str1 = "Java";
String str2 = "Java";
boolean areEqualIgnore = str1.equalsIgnorecase
System.out.println(areEqualsIgnore);
```

Q.5 Write a program to find the length of the string. "refrigerator";

→

```
class length {

    Public static void ~~(str)~~ main (String [] args)
    {
        String str = "refrigerator";
        int result = str.length();

        System.out.println (~~result~~) "length of string: " +
                                        result+ ~~"letter"~~ );
    }
}
```

Q.6 Write a program to check if the letter 'e' is present in the word 'Umbrella'.

→

```
class checkletter {

    Public static void main (String[] args)
    {
        String str = "Umbrella";
        char check = 'e';
        boolean isPresent = false;

        for (int i=0; i<str.length(); i++)
        {
            if (~~check ==~~ str.charAt (i) == check)
            {
                ~~isPr~~ isPresent = true;
                break;
            }
        }
```

```
if (isPresent){
    System.out.println("Letter is present" +
                        check + "present");
    }
else{
    System.out.println("letter" + check +
                        "is not present");
    }
}
}
```

Q.7) Write a Program to delete all Consonants from the string "Hello, have a good day".

→

```
Public class DeleteConsonants {
    Public Static void main(String[] args)
    {
    String str = "Hello, have a good day";
    String vowels = "AEIOUaeiou";

    StringBuilder result = new StringBuilder();

    for(int i=0 ; i<str.length(); i++)
    {
      char c = str.charAt(i);
    }
    if(vowels.indexOf(c) != -1 || c==' '){
            result.append(c);
    }
}
    String output = result.toString();
    String System.out.println("String Original" + str);
        system.out.println("After removing Consonants" + output);
}
```