Aim : Create debug and run Java program based on string and uptmButter

Theory :-

String in Java.

I strings in Java one objects that one backed internany by a chan array since appays one immutables as well whenever a change to a string is made on entipity new string is create

Syntax :-

< string - type >
< string - variable > =
" < sequence of string >" ;

There one two ways to create string in Java.

• string litenal

String s = " Akanksha ";

• Using new keyword

String s = new string ("Akanksha");

String Buffer :- String Buffer is a peen classes of String that provides much of the functionality of String Strimngs Repp- -ensents Fixed- length, immutable character sequences while string Buffer reppesents gurowable and wri- -teble character sequences.

Syntax :-

String BFFer S = new stuing Buffer
                    ["Akanksha"]

Program :-

```java
import java.util.Scanner;

Public class Assignment_02 {
  public static void main (String [] args) {
    Scanner sc = new Scanner (system.In);
    System.out.println ("Enter the password : ");
    String pass = sc.nextLine ();
    System.out.println (" Renter the password : ");
    String renter = sc.nextLine ();
    if (pass.equals (renter)) {
        System.out.println ("Password is valid ")}
    }
    else {
        System.out.println (" password is invalid ");
    }
  }
}
```

② program :-

```java
class palandrome {
  public static void main (String args []);
    String word = args [0];
    String Buffer sb = new String Buffer (word);
    sb.reverse ();
```

```
if (word . equals (sb. tostring [])) ;
    System. out. println (" Word " + "is  not  a
                        palandrome  ") ;
} else { system - out. println (word + " is palandrome")}
}
```

Conclusion :- Hence, we successfully Create, debug and run program based on string and string Buffer.

```
C:\Windows\System32\cmd.exe

C:\Users\Public\Java>javac palandrome.java

C:\Users\Public\Java>java palandrome
Enter a String :
smith
smith is not a palandrome

C:\Users\Public\Java>
```

```
C:\Windows\System32\cmd.exe

C:\Users\Public\Java>javac practical4_2.java

C:\Users\Public\Java>java practical4_2
Enter your password :
123456789
Re-Enter your password :
123456780
password is not correct

C:\Users\Public\Java>
```