```
String and loops,
   String >> sequence/of character collection
       1/ declare a string
1) String str = "abbbczaA";
2) String str = new String();
           Str = (c)
   String str = new String ("abbbczaA");
           str = "abbbczaA";
```

functions!

String str = "Geckster Java";

o12345(78911112)

indexes

 $str.Jength(); \longrightarrow 13$ 

Mote: lost index will always be one less than length why? -> because thex always starts from zero

- <u>functions</u>:
  String str = "Geckster Java";
  - str. charAt (10);  $\rightarrow$  'a'

    str. charAt (0);  $\rightarrow$  'G'

    str. charAt (8);  $\rightarrow$  'G'

    str. charAt (8);

- 3) String str = "GieckSter"; str. to Upper Case() → "GEFKSTER"
- 4) str. to Lower (ase () > geekster

## duel alternate characters

```
public static void main(String[] args) {
     Scanner scn = new Scanner(System.in);
     String str = scn.nextLine();
     // for ( initialization ; condition ; inc / dec )
     for (int i = 0; i < str.length(); i = i + 2) {
          char ch = str.charAt(i);
          System.out.print(ch);
              \frac{\text{str.length}()}{\text{str.length}()-L} \rightarrow \frac{1}{2} \left( \frac{\text{i} \times \text{str.length}()}{\text{i} \times \text{str.length}()-1} \right)
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();
                                                                c = 0 \rightarrow D
    // for ( initialization ; condition ; inc / dec )
  for (int i = 0; i < str.length();
  char ch = str.charAt(i);
  System.out.print(ch);</pre>
                                                              = 8 -> n
              Str = "Dhiraj Manoj";
```

DiaMnj