Ly String: - collection of character surrounded with double quotes. c.g., str = "AbcDe" functions:-- () str. charAt (idr):- character at index idx () str. length():- size of string //5 () str. to Lower(ase(): - to change characters
to lower case // abode

() str. to Upper-(ase(): - to change characters
to upper case // ABCDE

() str. Substring (start_idx, end_idx): - start index is inclusive
int int end idx is exclusive kster geekster eekster str. substring (2,4) //ek" substring str. substring (1,5) // eeks" ax abd str. substring (3,8) // "Kster" axh axbd str. substring (0,8) // geekster str. substring (4) //"ster" str. substring (1) //"eekster" (str. substring (start_idx); str. substring (3,3) // "" str. substring (2,9) // error

```
static void main(String[] args) {
    String str = "geekster";
    String ans = str.substring(2, 4);
    System.out.println(ans);
    String ans1 = str.substring(1, 5);
    System.out.println(ans1);
    String ans2 = str.substring(3, 8);
    System.out.println(ans2);
    String ans3 = str.substring(0, 8);
    System.out.println(ans3);
    String ans5 = str.substring(3, 3);
    System.out.println(ans5);
    String ans4 = str.substring(1);
    System.out.println(ans4);
    String ans6 = str.substring(2, 9);
    System.out.println(ans6);
java.lang.StringIndexOutOfBoundsException: begin 2, end 9, length 8
 at line 4601, java.base/java.lang.String.checkBoundsBeginEnd
 at line 2704, java.base/java.lang.String.substring
```

```
public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();

    String ans = solve(str);

    System.out.println(ans);
}

public static String solve(String str) {
    String ans = ""; // empty string

    for (int i = str.length() - 1; i >= 0; i--) {
        char ch = str.charAt(i);
        ans = ans + ch;
    }

    return ans;
}
```

```
str="geckster"

and = "r";

and = "re";

and = "ret";

and = "rets"

and = "retske"

and = "retske"

and = "retskee"

and = "retskee"

and = "retskee"
```

```
Ouel Kunning Sum
   public static void main(String[] args) {
 1)
       Scanner scn = new Scanner(System.in);
       int n = scn.nextInt();
       int ans = 0;
       while (n-- > 0) {
           int num = scn.nextInt();
           ans = ans + num;
           System.out.print(ans + " ");
10)
```

```
aN = 3
Syso(an)
```

```
ans
=> Fibbonacei reries
                                                                                              N=1, 1
                                                        if (n == 1) {
                                                            System.out.print(1);
                                                                                              n=2, ,1
                                                       else if (n == 2) {
                                                                                              \eta = 3
                                                            System.out.print(1);
          F(n) = F(n-1) + F(n-2),
                                                                                                                    (sum)
          Where, F(1) = F(2) = 1
                                                        else {
                                                                                                                     h3 = 0
Dengo
                                                          int n1 = 1;
                                                           int n2 = 1;
                                                                                              i = 3
                                                        int n3 = 0;
                  f(3) + f(2)
f(3) + f(2)
f(3) + f(2)
                                                         for (int i = 3; i <= n; i++) {
                                                               n1 = n2;
                                                                                                                   n1=3, n2=5
                                                               n2 = n3;
                                                                                                                    n1=5, n2=
                                                            System.out.print(n3);
                                                                                             (=6)
                                                                                                                     M= 8, M2= 13
                                                                                             (=+
                                 int n2 = 1;
                                 int n3 = 0;
                                                                                             (= 8.
                                for (int i = 3; i <= n; i++) {
                                                                                                                   m1=21, n2=34
```