Str = "geeks"; 3 69 e e k 5 7 GSJeek n Ks gee ne ks gc ne ks g

Substring (ode length()-1)-> S

t
Substring (o, Stenlength()-1)-> geck

olp -> Sgeek

```
Scanner s = new Scanner(System.in);
    String str = s.nextLine();
    int length = str.length();
    // print all the rotations
    String rotateString = str;
   for(int i = 0; i < length; i++){
        System.out.println(rotateString);
        rotateString = rotate(rotateString);
public static String rotate(String str){
    int length = str.length();
    return str.substring(length - 1) + str.substring(0, length - 1);
}
```

```
public static String findFirst(String words[], int n){
    for(int i = 0; i < n; i++){
         rif(isPalindrome(words[i])){
    return words[i];
      return "empty";
 public static boolean isPalindrome(String word){
      int left = 0;
      int right = word.length() - 1;
     _while(left < right){
         if(word.charAt(left) != word.charAt(right)){
              return false;
          right--;
     return true;
```

```
Scanner s = new Scanner(System.in);
    int n = s.nextInt();
    s.nextLine(); // continue to new line character
    // string array
    String words[] = new String[n];
   for(int i = 0; i < n; i++){
       words[i] = s.next();
    String result = findFirst(words, n);
    System.out.println(result);
}
```

str = "ab(d"

Target = "das"I

Target = "dacb" - F

str + str

ab colabora

ab colabora

str = " wx yz" > y

Target = " xywz" > y

Target = " xywz" > y

concatstr = wxyzwxyz soturo folse. 0/P = false.

four Sun-4 5 6 7 0 1 2 3 3 3 5 5 1 2 2 for (ail i=0, i< n-3; i++) 11ekip dup. Y(i>0 bbanci) = = [i+1] ontine j for (j= i+1; i<n-2; j+1) [11 skip dup. ey (j > i + 1 fel are [i] £yi+1); contine;

found = false. int l = 1+1 int 8 = N-1 while (LC8) long. Sum = arr(i) + (j) 7 + [i] + [i] y (Sum = farget) {

found. true;

Syss (Ci) + [j] + [l] + [r]) helite (les se [i] = c(f)] LH mende [[< 8 & [8] = = [x-1] 8else 4 (Sum < target) Let else r--