

Engineering Animuthyam

DSA – Course Part -4

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara.

Animuthyam ki oka problem ochindhi



Athaniki godamidha koni words icharu, vatini reverse chesthe, oko word ki 1 lakh ruppes isthar anta.

So mana animuthyam rich kadaniki manam help chedham.

Sample:

DSA -> ASD

bangaram -> maragnab

chapri -> irpahc

Syntax you need to know:

string lo edhaina index dhegara character em undho kavali ante charAt(index) ani vadutham

S="abcd"

S.charAt(0) => a

S.charAt(1) => b

S.charAt(2) => c

S.charAt(3) => d

```
String s = "bangaram";  
String ans="";  
for(int i=s.length()-1;i>=0;i--){  
    ans = ans + s.charAt(i);  
}  
System.out.println(ans);
```

Animuthyam ki oka problem ochindhi

Goda midha malla evaro pullaroa koni words rasaru.

Avi palindrome aa kaadha ani chepali.

Palindrome ante venka nundi mundhu nundi same vundadam.

Examples of palindromes.

aba = > (dhini reverse chesna "aba" ne avthundhi)

abba => (dhini reverse chesna kuda "abba" ne avthundhi)

Sample = >

paap => Yes, it is a palindrome

tuck => No, it is not a palindrome

Bot => no, it is not a palindrome

Syntax you should know:

break; (this can be used to get out of for loop immediately);

boolean datatype;(this is used to store true or false)

Way-1: reverse a string an compare both.

```
String s = "bangaram";  
String ans="";  
for(int i=s.length()-1;i>=0;i--){  
    ans = ans + s.charAt(i);  
}  
if(ans.equals(s)){  
    System.out.println("yes,it is a palindrome");  
}else{  
    System.out.println("No, it is not a palindrome");  
}
```

Way – 2:

```
boolean isPalindrome = true;
String s="aba";
int n=s.length();
int mid=n/2;
for(int i=0;i<mid;i++){
    if(s.charAt(i)!=s.charAt(n-i-1)){
        isPalindrome = false;
        break;
    }
}
if(isPalindrome){
    System.out.println("yes,it is a palindrome");
}else{
    System.out.println("No, it is not a palindrome");
}
```