reverse a string --------

public class StringReverse{

public static String stringReverse(String name){

StringBuilder reversedstring =new StringBuilder(name).reverse();

return reversedstring.toString();

}

public static void main(String[]args){

String name ="gokulavasan";

String reversedstring=stringReverse(name);

System.out.println("orignialname :"+name);

System.out.println("reversed name :"+reversedstring);

}}

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//reverse the number

public class ReverseNumber{

public static void main (String[]args){

int reversednumber=0;

Scanner scanner=new Scanner(System.in);

int number =scanner.nextInt();

System.out.println("ENTER THE NUMBER TO REVERSE :");

while(number!=0){

int lastdigit=number%10; // extract the last digit

reversednumber =reversednumber\*10+lastdigit;

//lastdigit append with the reversed number

number /=10;

}

System.out.println("reversed number is :"+reversednumber);

}

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//string reverse without using the string builder

public class reversestring{

public static void main(String[]args){

Scanner scanner =new Scanner(System.in);

String inputstring=scanner.nextLine();

System.out.println("enter the string :");

String reversed="";

for(int i=0;i<inputstring.length();i++){

reversed =inputstring.charAt(i)+reversed;

}

System.out.println("reversedstring:"+reversed);

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//String palindrome or not

public class reversestring{

public static void main(String[]args){

Scanner scanner =new Scanner(System.in);

String inputstring=scanner.nextLine();

System.out.println("enter the string :");

String reversed="";

for (int i=inputstring.length()-1;i>=0;i--){

reversed += inputstring.charAt(i);

}

If(inputstring.equals(reversed)){

System.out.println("Is palindrome");

}else{

System.out.println("is not a palindrome");

}

}

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// Reverse the word in a string

import java.util.Scanner;

public class reversewords{

public static void main (String [] args){

Scanner scanner= new Scanner(System.in);

String input = scanner.nextLine();

System.out.println("enter the words:");

String [] words=input.split(" ");

String reversed= "";

for(int i=words.length-1;i>=0;i--){

reversed+=words[i]+" ";

}

System.out.println(" reversed :"+reversed);

}

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