

String Programs

Note: Without using predefined methods, solve these questions.

1) Write a java program to display reverse of a given String?

input:

hello

output:

olleh

Sol:

```
public class Test{
    public static void main(String[] args) {
        String str1=new String("hello");
        String str2="";

        for(int i=str1.length()-1;i>=0;i--) {
            str2+=str1.charAt(i);
        }
        System.out.println(str2);
    }
}
```

2) Write a java program to check given string is palindrome or not?

input:

racar

output:

It is a palindrome string

Sol:

```
public class Test{
    public static void main(String[] args) {
        String str1=new String("racar");
        String str2="";

        for(int i=str1.length()-1;i>=0;i--) {
            str2+=str1.charAt(i);
        }
        if(str1.equals(str2)) {
            System.out.println("It is a palindrome string");
        }
        else {
            System.out.println("It is not a palindrome string");
        }
    }
}
```

```
    }  
}
```

3) Write a java program to display reverse of a sentence?

input:

This is java class

output:

class java is This

Sol:

```
public class Test {  
    public static void main(String[] args) {  
        String str1=new String("This is java class");  
        String str2[]=str1.split(" ");  
        String str3="";  
  
        for(int i=str2.length-1;i>=0;i--) {  
            str3+=str2[i];  
            if(i!=0) {  
                str3+=" ";  
            }  
        }  
        System.out.println(str3);  
    }  
}
```

4) Write a java program to display reverse of a word in a sentence?

input:

This is java class

output:

sihT si avaj ssalc

Sol:

```
public class Test{  
    public static void main(String[] args) {  
        String str1=new String("This is java class");  
        String str2[]=str1.split(" ");  
        String str3="";  
  
        for(String n:str2) {  
            String str4="";  
            for(int i=n.length()-1;i>=0;i--) {  
                str4+=n.charAt(i);  
            }  
            str3+=str4+" ";  
        }  
    }  
}
```

```
        System.out.println(str3);
    }
}
```

5) Write java program to display number of words starts with capital letter in a given string?

input:

This is Java Class for Programming part

output:

This Java Class Programming

Sol:

```
public class Test{
    public static void main(String[] args) {
        String str1=new String("This is Java Class for Programming
part");
        String str2[]=str1.split(" ");
        String str3="";

        for(String n:str2) {
            if(Character.isUpperCase(n.charAt(0))) {
                str3+=n+" ";
            }
        }
        System.out.println(str3);
    }
}
```