



Republic of the Philippines  
**Department of Education**  
REGION III  
**SCHOOLS DIVISION OFFICE OF NUEVA ECIJA**

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**LEARNING ACTIVITY SHEET**  
**SPECIAL PROGRAM IN ICT 9**  
**BASIC PROGRAMMING 9**  
*Fourth Quarter, Week 1*

Name of Learner: \_\_\_\_\_

Date: \_\_\_\_\_

Grade Level /Section: \_\_\_\_\_

## **DEFINING STRING**

### **Background Information for Learners**

In Java, string is basically an object that represents sequence of char values. An array of characters works same as Java string. For example:

```
char[] ch={'j','a','v','a','_','p','o','i','n','t'};  
String s=new String(ch);
```

is same as:

```
String s="java_point";
```

Java String class provides a lot of methods to perform operations on strings such as compare(), concat(), equals(), split(), length(), replace(), compareTo(), intern(), substring() etc.

### **What is String in Java?**

Generally, String is a sequence of characters. But in Java, string is an object that represents a sequence of characters. The java.lang.String class is used to create a string object.

There are two ways to create String object:

1. By string literal - Java String literal is created by using double quotes. For Example:  
`String s="welcome";`
2. By new keyword  
`String s=new String("Welcome");//creates two objects and one reference variable`

### Example 1:

```
public class StringExample{
    public static void main(String args[]){
        String s1="java";//creating string by java string literal
        char ch[]={'s','t','r','i','n','g','s'};
        String s2=new String(ch);//converting char array to string
        String s3=new String("example");//creating java string by new keyword
        System.out.println(s1);
        System.out.println(s2);
        System.out.println(s3);
    }}
```

Output:

```
java
strings
example
```

### Example 2:

```
public class StringExample
{
    public static void main (String[]args)
    {
        String school="Sta. Rita National High School";//by java string literal
        char district[]={'C','A','B','I','A','O'};
        String add=new String(district);//converting char array to string
        String ID=new String("123456");//by new keyword
        System.out.println(school);
        System.out.println(add);
        System.out.println(ID);
    }
}
```

Output:

```
Sta. Rita National High School
CABIAO
123456
```

## Learning Competency with Code

Define what string is

Describe how text is stored in strings

## Exercises/Activities

### Activity 1

Direction: Create a source code that will print the following:

- Full name (java string literal)
- Section(char array to string) and
- School name(by new keyword)

Sample Output:

```
JUAN A. DELA CRUZ  
LARRY_PAGE  
Sta Rita National High School
```

Write your code inside the box

## Reflection

What is the difference between string and char?

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## References for Learners

<https://www.javatpoint.com/java-string>

Prepared by: **NOEMI F. MAGNO**  
Name of Writer

Noted by: **LABERNE A. LADIGNON, JR**  
Division ICT Coordinator/ OIC EPS