JAVA

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JAVA
DAY 2

- String Class
- Static Variable
- Static Methods
- Access Modifier
- Demo and Examples

String Class

- A string is a series of character.
- String is a *Class* unlike '*int & char*'. So it can be instantiated.
- It is most widely used in java as well as in the selenium webdriver.
- Lots of String methods are there which will make our work ease.
- Syntax: String s=new String();
- Demo

Static Variable

- Static variable can be created using the keyword "static" in Java.

- It is a variable which belongs to the class and not to object(instance).

- Static variables are initialized only once , at the start of the execution .

- For accessing the static variable no need to create object.

- Because before initializing of any instance, value will be assigned to the static variable.

- Syntax : <class-name>.<variable-name>

- Demo

Static Method

- It is a method which belongs to the class and not to the object(instance).

- A static method can access only static data. It can not access non-static data unless object is created.

- A static method can call only other static methods and can not call a non-static method from it.

- Syntax: <class-name>.<method-name>

- Demo

Access Modifier

- Access Modifier is used in declaring the variables, methods, Constructor or class.

- It decides the scope of data.

- We have 4 types of Access Modifier in JAVA.

  1) Public (Visible to world)

  2) Default (No access modifier) (Visible to Package)

  3) Protected (Visible to package and subclasses (in & outside package))

  4) Private (Visible to class only)

Access Modifier for class

- Top level classes can only have public or default modifier.
- Nested classes can have Public, default, protected and private.

Next Session

1. Inheritance →Overriding concepts and Super Keyword.
2. Polymorphism.
3. Interface.
4. Abstract class.
5. Collections (Arraylist and List)
6. Demo and Explanation.

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Thank you for joining the session.

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