

Last Session

- > new keyword
- > Heap memory
- > Object creation
- > reference variable

Today's Session

- > Global & Local Scope
- > Global & Local Variables
- > Data types

```
class Student {  
    // Global scope  
  
    int roll = 1; // Global Var  
    String name = "Pavan"; // Global Var  
  
    void display(){  
        // Local scope  
        String roll = "Pune"; // Local Var  
        syso(roll); // pune  
        syso(name);  
    }  
  
    void display1(){  
        // Local scope  
        String name = "Sagar Sir";  
        syso(roll);  
        syso(name);  
    }  
}
```

```
class Test {  
  
    psvm(){  
  
        Student obj1 = new Student();  
        obj1.display1(); // error  
    }  
}
```

```
class Calculator {
```

```
    int price;           // G1
```

```
    String cname ;      // G2
```

```
    float f;
```

```
    double d;
```

```
    byte b;
```

```
    short v1;
```

```
    int addTwo(){  
        syso(price);  
    }
```

```
    void avg(int a, int b){    /2  
        Calculator c1 = new Calculator();/1  
        int result  =  c1.addTwo(a,b); //1  
        int avg = result / 2; // 1  
        syso(avg);  
    }  
}
```

```
class Test{
```

```
    Calculator c2 = new Calculator();
```

```
    psvm(String[] args){    // 1
```

```
        Calculator c1 = new Calculator();// 1  
        c1.addTwo(10,20);  
        c1.avg(15,15);
```

```
    }
```

```
}
```

Total Global Var = 2

Total Local Var = 10

0 , 10 , 4 , 3 , 3 , 3 ,
1

Data Types

Home Work

Inbuild Data Types / Primitive Data types

8 name of Data type	Default Value	Range
1. int		-2 ³¹ - 2 ³¹ - 1
2. double		
3. float		
4. boolean		
5. char		
6. short		
7. long		
8. byte		

class

User Defined Data types /
Non Primitive Data types

+ l

1. String

2. ...

-10¹³ to 10¹⁵

```
byte b1 = -129;
```

Interview Questions

- 1. What is Global and Local Scope in JAVA ?**
- 2. What is Global and Local Var in JAVA ?**
- 3. What is Primitive and Non primitive data types in JAVA?**
- 4. What is default value of all data types ?**