#### **Last Session**

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

## **Todays Session**

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

```
class Student {
   // Global scope
   int roll = 1; // Global Var
   String name = "Pavan"; // Global Var
                                              class Test {
   void display(){
                                                 psvm(){
       // Local scope
       String roll = "Pune"; // Local Var
                                                 Student obj1 = new Student();
       syso(roll); // pune
                                                     obj1.display1(); // error
       syso(name);
   void display1(){
       // Local scope
       String name = "Sagar Sir";
       syso(roll);
       syso(name);
```

```
class Calculator {
                                               class Test{
                                                   Calculator c2 = new Calculator();
int price;
                      // G1
                                                   psvm(String[] args){
                                                                     // 1
String cname ; // G2
float f;
                                                           Calculator c1 = new Calculator();// 1
                                                                   c1.addTwo(10,20);
double d;
                                                                   c1.avg(15,15);
byte b;
short v1;
int addTwo(){
        syso(price);
                                                     Total Global Var = 2
void avg(int a, int b){ /2
                                                     Total Local Var = 10
        Calculator c1 = new Calculator();/1
        int result = c1.addTwo(a,b); //1
        int avg = result / 2; // 1
                                                           0,10,4,3,3,3,
        syso(avg);
```

# **# Data Types**

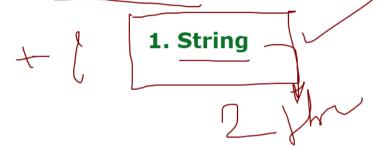
### **Home Work**

**Inbuild Data Types / Premitive Data types** 

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

C/USS

User Defined Data types / Non Premitive Data types



-10^13 to 10^15

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 Premitive and Non premitive data types in JAVA?
- 4. What is default value of all data types?