

Basic Fundamental Programming

Day 4: May 2021

Kiran Waghmare



```
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
May21 LB Notes.txt Test.java
1 class Test
2 {
3     public void display()
4     {
5         System.out.println("Hello CDAC !!!!");
6     }
7     public static void main(String args[])
8     {
9         Test t1 = new Test();
10        t1.display();
11    }
12 }
13 }
```

Who can see what you share here? Recording

main()
{
...
... display();
...
...
}

display()
{
...
}

```
1 class Test
2 {
3     public void display()
4     {
5         System.out.println("Hello CDAC !!!!");
6     }
7     public void show()
8     {
9         System.out.println("Hello CDAC Mumbai!!!!");
10    }
11
12    public static void main(String args[])
13    {
14        Test t1 = new Test();
15        t1.display();
16        t1.show();
17        Test t2 = new Test();
18        t2.display();
19        t1.display();
20    }
21 }
22
23 }
```

Java source file length : 348 lines : 23 Ln : 9 Col : 53 Pos : 161 Windows (CR LF) UTF-8 INS

```
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
May21 LB Notes.txt Test1.java
class Test
{
    public void display()
    {
        System.out.println("Hello CDAC !!!!");
    }
    public void show()
    {
        System.out.println("Hello CDAC Mumbai!!!!");
    }
}
class Test1
{
    public static void main(String args[])
    {
        Test t1 = new Test();
        t1.display();
        t1.show();
        Test t2 = new Test();
        t2.display();
        t1.display();
    }
}
```

Class Test

class Test1

Java source file length : 362 lines : 24 Ln : 22 Col : 13 Pos : 356 Windows (CR LF) UTF-8 INS

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

May21 LB Notes.txt Test1.java

```
1 class Test
2 {
3     public void display()
4     {
5         System.out.println("Hello CDAC !!!!");
6     }
7     public void show()
8     {
9         System.out.println("Hello CDAC Mumbai!!!!");
10    }
11 }
12 class Test1
13 {
14     public static void main(String args[])
15     {
16         Test t1 = new Test();
17         t1.display();
18     }
19 }
20
21 }
```

Mouse Select Text Draw Stamp Spotlight Eraser Format Undo

Who can see what you share here? Recording On

Test

Test1

display();

t1

Java source file length : 290 lines : 21 Ln : 14 Col : 28 Sel : 4 | 1 Windows (CR LF) UTF-8 INS

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

May21 LB Notes.txt Test1.java

```
1 class Test
2 {
3     public void display()
4     {
5         System.out.println("Hello CDAC !!!!");
6     }
7     public void show()
8     {
9         System.out.println("Hello CDAC Mumbai!!!!");
10    }
11 }
12 class Test1
13 {
14     public static void main(String args[])
15     {
16         Test t1 = new Test();
17         t1.display();
18     }
19 }
20
21 }
```

Mouse Select Text Draw Stamp Spotlight Eraser Format Undo

Who can see what you share here? Recording On

Test


Test1

display();

t1

Java source file length : 290 lines : 21 Ln : 6 Col : 6 Sel : 71 | 4 Windows (CR LF) UTF-8 INS

```
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
May21 LB Notes.txt Test1.java
588 }
589
590 Access Modifiers: 4 types
591 -----
592 1.private
593 2.default
594 3.protected
595 4.public
596
597 -defines the scope of data member, method,
598 constructor or class.
599 -visible to package:default
600 -visible to class:private
601 -visible to the world:public
602 -visible to the package and all subclasses:protected
603
604
605
606 Non-Access Modifiers
607 -----
608 -static
609 -abstract
```

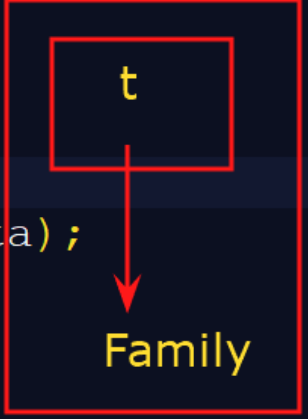


public
default
protected
private

Who can see what you share here? Recording

Normal text file length : 10,650 lines : 614 Ln : 604 Col : 1 Pos : 10,531 Windows (CR LF) UTF-8

```
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
May21 LB Notes.txt Test3.java
1 class T
2 {
3     protected int data;
4     public void msg()
5     {
6         System.out.println("CDAC....."+data);
7     }
8 }
9
10 class Test3
11 {
12     public static void main(String args[])
13     {
14
15         T t =new T();
16         t.data =40;
17         System.out.println(t.data); //CE
18         t.msg(); //CE
19     }
20
21 }
```



The diagram consists of a red rectangular box containing the variable 't' at the top. A red arrow points downwards from 't' to the word 'Family' below it.

Who can see what you share here? Recording On

Java source file length : 267 lines : 21 Ln : 6 Col : 7 Pos : 62 Windows (CR LF) UTF-8 INS

File Edit Search View Encoding

Mute Start Video Security Participants 258 Chat New Share Pause Share An

May21 LB Notes.txt calculate4.java new 1

623 -----

624

625 Method overloading:

626 1: no of parameters

627 EX:

```
628 int sum(int i, int j);
629     sum(10,20);
630
631 int sum(int i, int j,int k);
632     sum(10,20,30);
633
```

634 2: data type for varioables

635 EX:

```
636 int sum(int i, int j);
637     sum(10,20);
638
639 float sum(float i, float j);
640     sum(10.2f,20.4f);
641
642 float sum(float i, float j,int k);
643     sum(10.2f,20.4f, 20);
```

Who can see what you share here? Recording

Normal text file length : 11,126 lines : 643 Ln : 643 Col : 21 Sel : 15 | 1 Windows (CR LF) UTF-8 INS

File Edit Search View Encoding

Mute Start Video Security Participants 258 Chat New Share Pause Share An

May21 LB Notes.txt calculate4.java new 1

623 -----

624

625 Method overloading:

626 1: no of parameters

627 EX:

```
628 int sum(int i, int j);
629     sum(10,20);
630
631 int sum(int i, int j,int k);
632     sum(10,20,30);
633
```

634 2: data type for varioables

635 EX:

```
636 int sum(int i, int j);
637     sum(10,20);
638
639 float sum(float i, float j);
640     sum(10.2f,20.4f);
641
642 float sum(float i, float j,int k);
643     sum(10.2f,20.4f,20.6f);
```

Who can see what you share here? Recording

Normal text file length : 11,129 lines : 643 Ln : 643 Col : 24 Sel : 5 | 1 Windows (CR LF) UTF-8 INS