

Logic Building Session

Day 2: MAR 2023

Session 1

Kiran Waghmare



```
class A2{  
  
public static void main(String args[])  
{  
  
}  
}
```

Name:

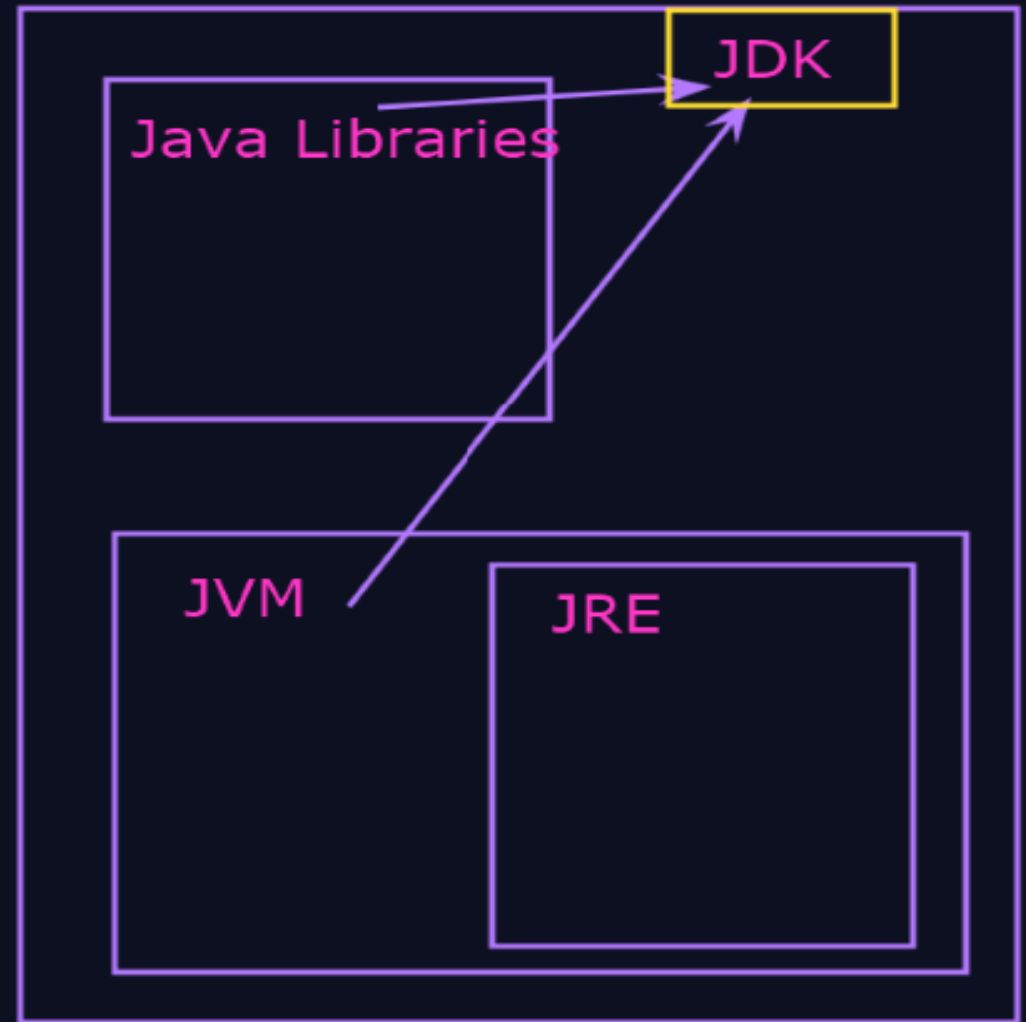
1.In built: syntax follow

2.User defined: our own names

```
import java.lang.*;
```

```
class Hello{  
    public static void main(String args[])  
    {  
        System.out.println("Good Morning");  
    }  
}
```

JDK:Java Development Kit
JVM:Java Virtual Machine
JRE:Java Runtime Environment



```
class Abc{
```

```
}
```

```
class Hello{
```

```
public static void main(String args[])
```

```
{
```

```
    System.out.println("Good Morning");
```

```
}
```

```
}
```

```
D:\Test>javac Hello.java
```

```
D:\Test>javac hello1.java
```

```
D:\Test>java hello1
```

```
Error: Could not find or load main class l  
Caused by: java.lang.ClassNotFoundException
```

```
D:\Test>javac Hello.java
```

```
D:\Test>java Hello
```

```
D:\Test>javac Hello.java
```

```
D:\Test>java Hello
```

```
Good Morning
```

```
D:\Test>
```

```
class Hello{  
  
    public static void main(String args[])  
    {  
        System.out.println("Good Morning");  
        System.out.print("Good Morning1");  
        System.out.print("Good Morning2");  
        System.out.println("Good Morning3");  
    }  
}
```

C:\WINDOWS\system32\cmd.exe

Good Morning2

Good Morning3

D:\Test>javac Hello.java

D:\Test>java Hello

Good Morning

Good Morning1Good Morning2Good Morning3

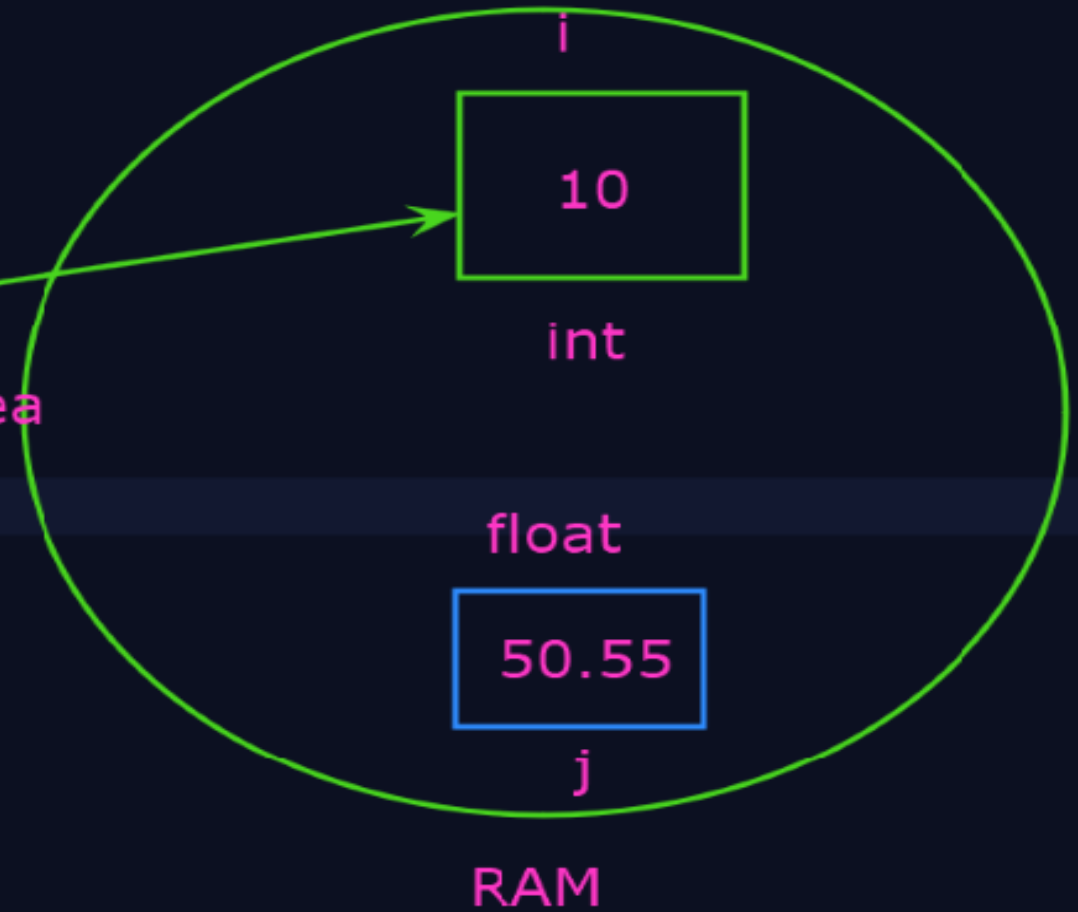
D:\Test>

```
public static void main(String args[])
static public void main(String args[])
public static void main(String args[])
public static final void main(String args[])
public void static main(String args[])
public static void main(String args[])
```

Variables: reserved area in memory

```
int i=10;
float j=50.55;
```

Reserved area




```
class Variable{
```

```
public static void main(String args[])  
{
```

```
    int i=11;
```

```
    int j=22;
```

```
    int k=i+j;
```

```
    System.out.println(k);
```

```
    System.out.println("Sum = "+k);
```

```
    System.out.println("i= "+i+"j= "+j+"and _Sum = "+k);
```

```
    System.out.println("Boys!");
```

```
}
```

C:\WINDOWS\system32\cmd.exe

D:\Test>javac Variable.java

D:\Test>java Variable

33

Sum = 33

i= 11j= 22and _Sum = 33

Boys!

D:\Test>

```
int z=0722,777;  
long m=23354546567;
```

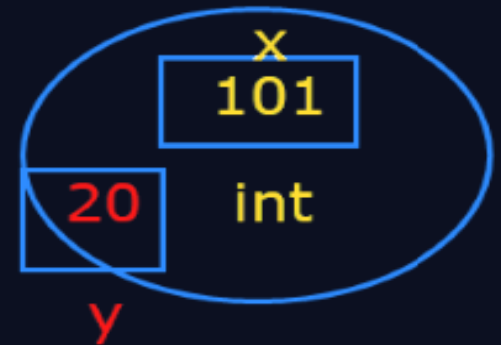
```
float f =6.45F;//float  
double d=6.34567890;
```

```
char c='a';  
char d='\n';  
char e='\u2112';
```

```
boolean x1=true;  
boolean x2=false;
```

```
final int y=20;  
y++;
```

```
int x=100  
x++;
```



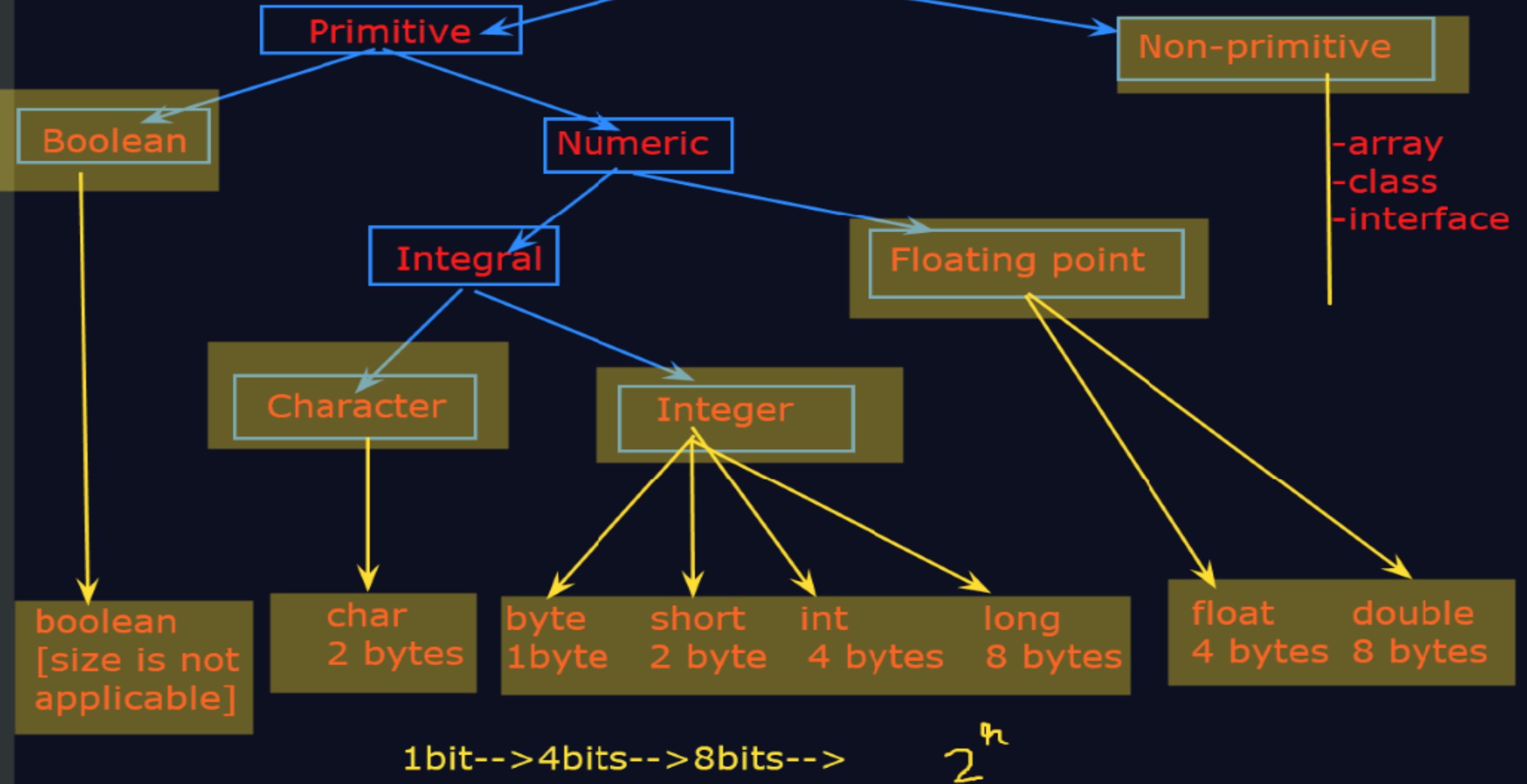
```
final double pi=3.14212456;//throughtout program value will rem  
final int maxsize=100;  
final char last='z';  
final String word="CDAC";
```

```
}
```


Data types

2 participants raised hand

2 participants raised hand



```
class Variable3{
```

```
    public static void main(String args[])
    {
```

```
        boolean b = true;
```

```
        char a = 'A';
```

```
        String s = "Afhgdfghkfjgf";
```

```
        byte b1 = 128;
```

```
        System.out.println(b1);
```

```
        System.out.println(b);
```

byte :1

short:2

int :4

long :8

DOWS\system32\cmd.exe

```
.java:8: error: incompatible types: possible lossy conversion from int to byte
byte b1 = 128;
```

