Logic Building Session
Day 2: Sep 2022
Session 2

Kiran Waghmare

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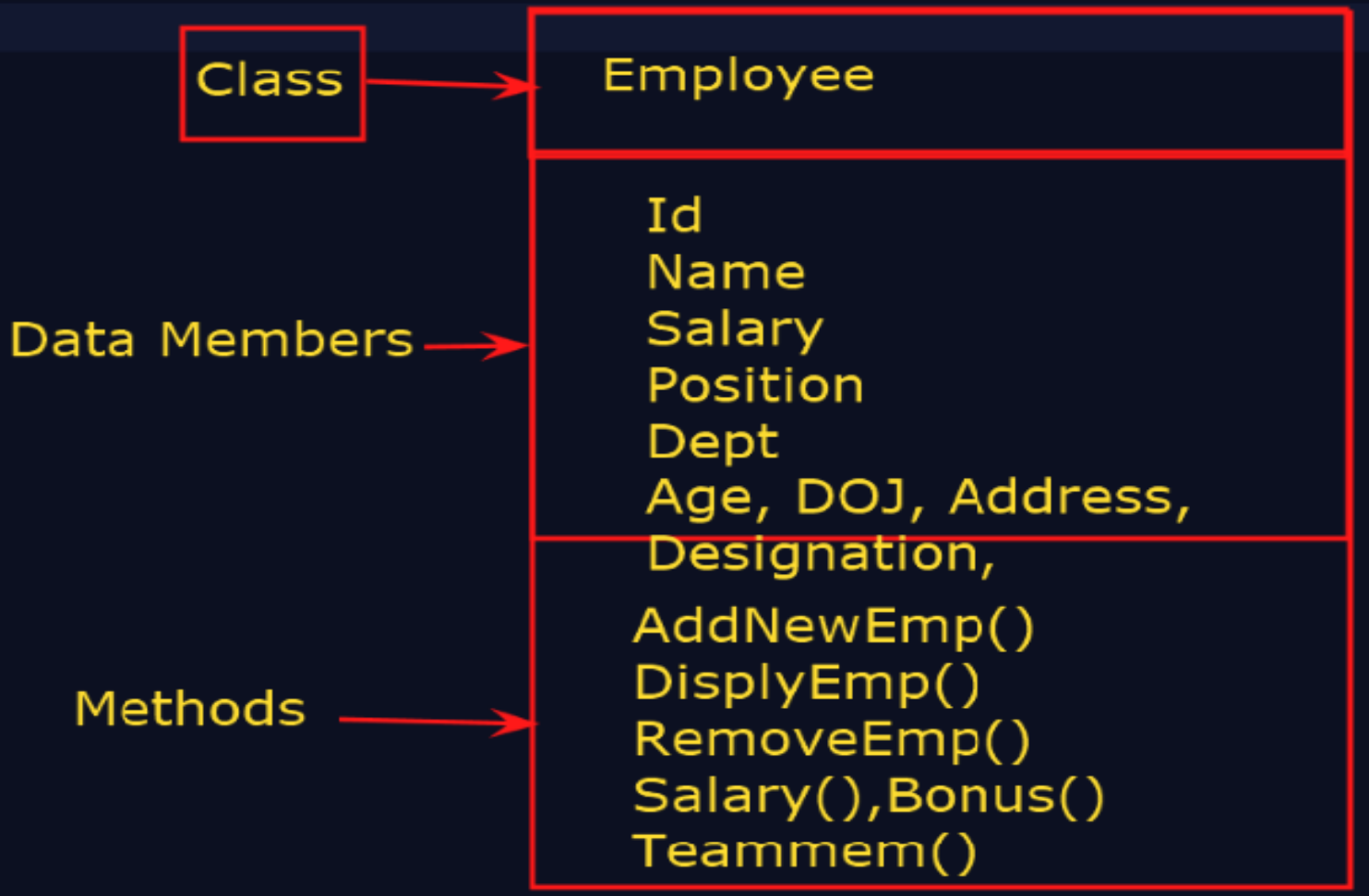
Who can see what you share here? Recording On

```
class Student{

public static void main(String args[]){

    System.out.println("Good Morning CDAC Mumbai !!!");
}
}
```

Refer Object

E1.Abhishek

E2.Priyanka



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

    System.out.println("Good Morning CDAC Mumbai !!!");
}
}
```

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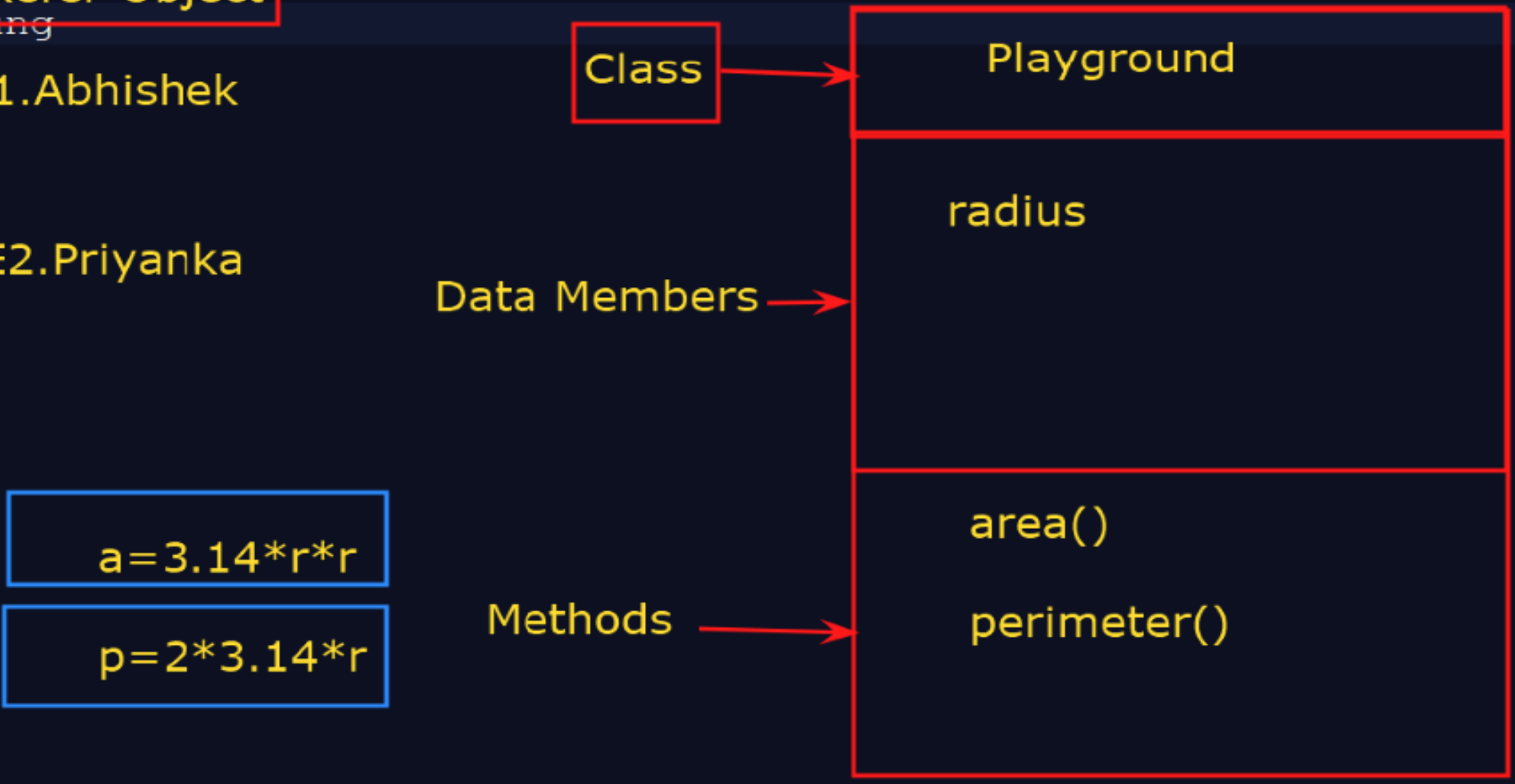
Refer Object

Playgroung

E1.Abhishek

E2.Priyanka



```java
class Hello1{
}
class Hello2{
}
class Hello3{
    public static void main(String args[]){

    System.out.println("Good Morning CDAC Kharghar !!!");
}
}


class Hello{

public static void main(String args[]){

    System.out.println("Good Morning CDAC Mumbai !!!");
}
}
```

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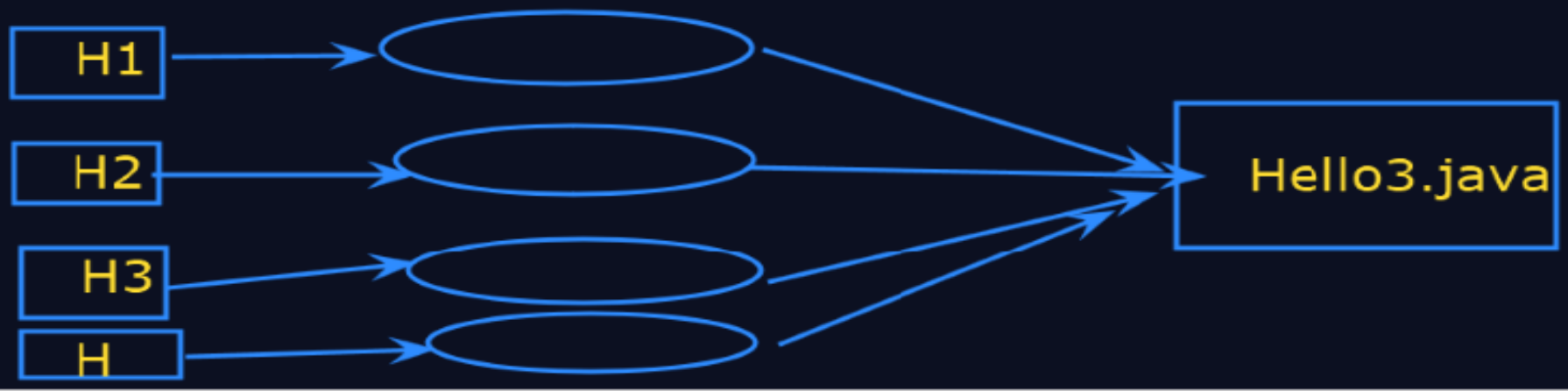
```
class Hello1{

}
class Hello2{
}
class Hello3{
    public static void main(String args[]){

    System.out.println("Good Morning CDAC Kharghar !!!");
}
}


class Hello{

public static void main(String args[]){

    System.out.println("Good Morning CDAC Mumbai !!!");
}
}
```



```
class Hello1{

}
class Hello2{
}
class Hello3{
    public static voi

    System.out.print
}
}


class Hello{

public static void ma

    System.out.println("Good Morning CDAC Mumbai !!!");
}
}
```

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```
 Directory of C:\Test

08-09-2022  11:06    <DIR>          .
07-09-2022  13:14               454 First.class
07-09-2022  13:17               157 First.java
08-09-2022  11:06               433 Hello.class
08-09-2022  11:04               280 Hello.java
08-09-2022  11:06               186 Hello1.class
08-09-2022  11:06               280 Hello1.java
08-09-2022  11:06               186 Hello2.class
08-09-2022  11:06               436 Hello3.class
07-09-2022  13:23               940 Second.class
07-09-2022  13:23               257 Second.java
07-09-2022  17:11             1,091 Test.class
07-09-2022  17:11               695 Test.java
              12 File(s)          5,395 bytes
```

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Variable:

-userdefined names
-resrved memory
-vary+able

1. Variable declaration
```
int a;
int a,b,c;
float pi;
double d;
char a;
```

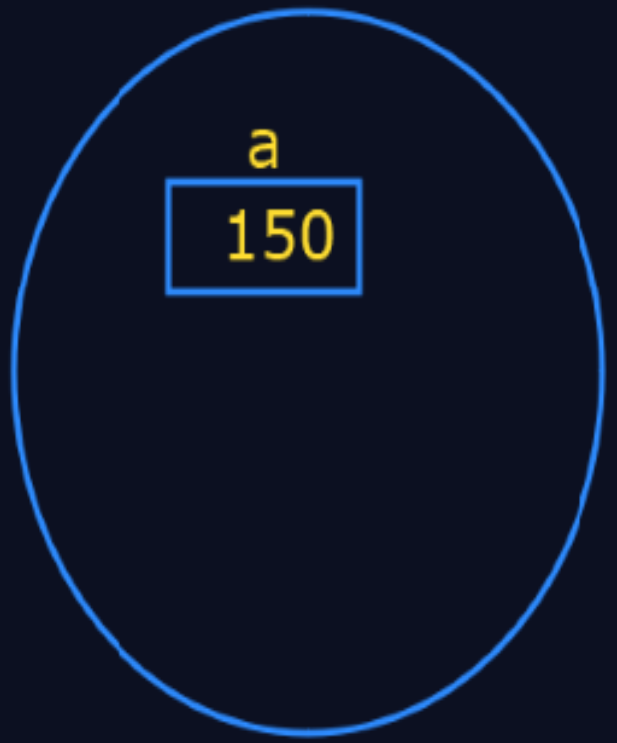
```
int a;

a=100;

a=a+50;
```

2. Variable initialization
```
pi=3.14f;
d=20.345667766;
```

```
a=a+1;
```



```java
public static void main(
    int i = 11;
    int j = 12;
    //Addition
    int k = i+j;
    System.out.println(k);
    //Concatination
    System.out.println("Sum= "+k);
    System.out.println(i+j);
    System.out.println("Sum= "+(i+j));
    System.out.println("Sum of "+i+" an

}
}
```

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```
Variable.java:13: error: ')' expected
        System.out.println("Sum= "+(i+j);
                                        ^
1 error

C:\Test>javac Variable.java

C:\Test>java Variable
23
Sum= 23
23
Sum= 23
Sum of 11 and 12 is 23

C:\Test>
```

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```
public static void
    int i = 11;
    int j = 12;
    //Addition
    int k = i+j;
    System.out.println(k);
    //Concatination
    System.out.println("Sum= "+k);
    System.out.println(i+j);
    System.out.println("Sum= "+(i+j));
    System.out.println("Sum of "+i+" and "+j+" is "+k);

}
}
```

```java
import java.util.Scanner;

class Input{

public static void main(String args[]){
    //Objects
    Scanner sc = new Scanner(System.in);

    String name = sc.next();


    System.out.println("Welcome "+name);


}
}
```

Command Prompt

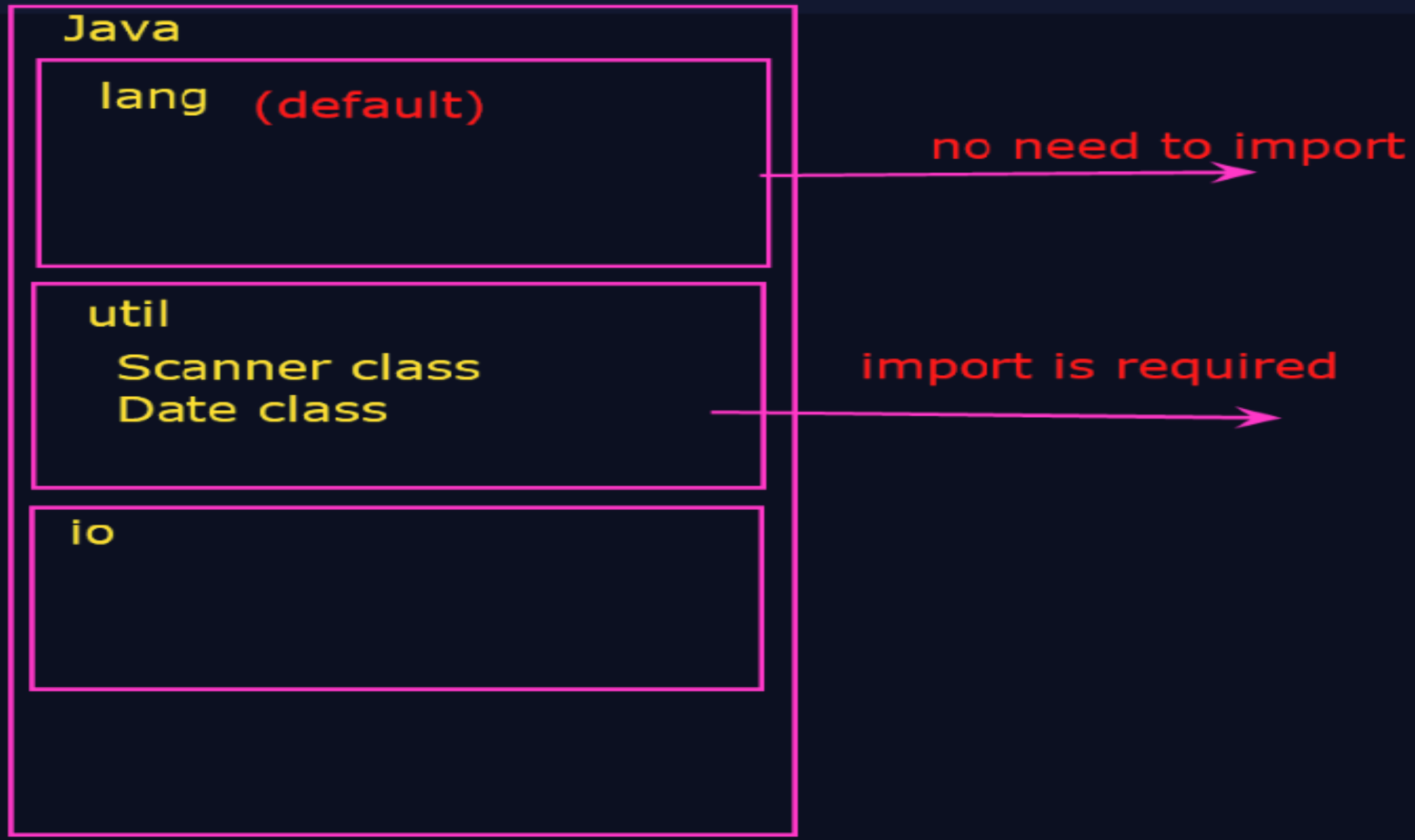
```
C:\Test>javac Input.java

C:\Test>java Input
Sakshi
Sakshi

C:\Test>javac Input.java

C:\Test>java Input
Himanshu
Welcome Himanshu

C:\Test>
```


Java
lang (default)
no need to import
util
Scanner class
Date class
import is required
io

```
System.out.println("Welcome "+name);
```

```
}
}
```

int : nextInt()

short: nextShort()
long: nextLong()
float: nextFloat()
double: nextDouble()
boolean: nextBoolean()
byte : nextByte()
String: next() [without space]
String: nextLine() [with space]

Keybord

read entered char

System.in

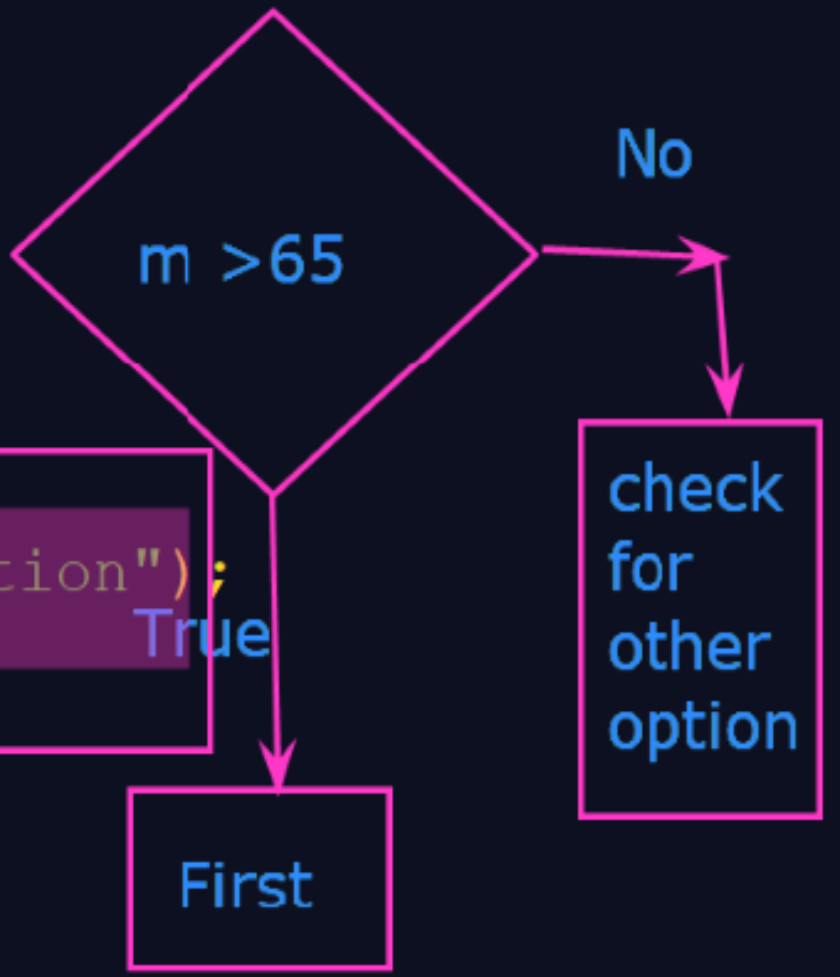
Scanner sc = new Scanner(System.in);

String name=sc.next()

nextInt

```java
public static void main(String args[]){
    //Objects
    int marks =77;
    if(marks > 65)
    {
        System.out.println("First");
    }
    else
    {
        System.out.println("Check for other option");
    }

}
}
```

True

False