

Homework Week-6

Kaushik

① 1 - class - Main Method - Print Stmt (1st time)

```
package homework;
public class KPHomeworkWeekSix {
    public static void main (String [] args) {
        System.out.println ("Week Six Homework");
    }
}
```

② package homework;

```
public class KPHomeworkWeekSix {
    public static void main (String [] args) {
        System.out.println ("Week Six Homework");
    }
}
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public class KPHomeworkWeekSix {
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④ package homework;

```
public class KPHomeworkWeekSix {
    public static void main (String [] args) {
        System.out.println ("Week Six Homework");
    }
}
```

(5)

```
Package homework;  
Public class KPHomeworkWeekSix {  
    Public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(6)

```
Package homework;  
Public class KPHomeworkWeekSix {  
    Public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(7)

```
Package homework;  
Public class KPHomeworkWeekSix {  
    Public static void main (String [] args) {  
        System.out.println ("Homework week Six");  
    }  
}
```

(8)

```
Package homework;  
Public class KPHomeworkWeekSix {  
    Public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(9)

```
Package homework;  
Public class KPHomeworkWeekSix {  
    Public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(10)

```
package homework;  
public class KPHomeworkWeekSix {  
    public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(11)

```
package homework;  
public class KPHomeworkWeekSix {  
    public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(12)

```
package homework;  
public class KPHomeworkWeekSix {  
    public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(13)

```
package homework;  
public class KPHomeworkWeekSix {  
    public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(14)

```
package homework;  
public class KPHomeworkWeekSix {  
    public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

(15)

```
package homework;  
public class KPHomeworkWeekSix {  
    public static void main (String [] args) {  
        System.out.println ("Homework Week Six");  
    }  
}
```

Danusha X

3. Java OOPs Concepts (5 times)

1. Object	Object	Object	Object	Object
2. class	Class	Class	Class	class
3. Inheritance	Inheritance	Inheritance	Inheritance	Inheritance
4. Polymorphism	Polymorphism	Polymorphism	Polymorphism	Polymorphism
5. Abstraction	Abstraction.	Abstraction	Abstraction	Abstraction.
6. Encapsulation.	Encapsulation	Encapsulation.	Encapsulation.	Encapsulation.

4. Class Definition (3 times)

(1) Class is logical entity, it contains logic of the application (blue print)

e.g. class Test {

variables

methods

Constructors

instance blocks

static blocks.

}

(2) Class is logical entity, it contains logic of the application (blue print)

e.g. class Test {

variables

methods

Constructors.

instance blocks

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}

③

class is a logical entity , it contains logic
of the application (blue print)

class Test {

variables

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static blocks.

}

5. Object Definition (3 times)

①

Object is an instance of class , it is physical.
entity represents the memory

"new" keyword to create object

Test t = new Test(); //here "t" is object of "Test" class

②

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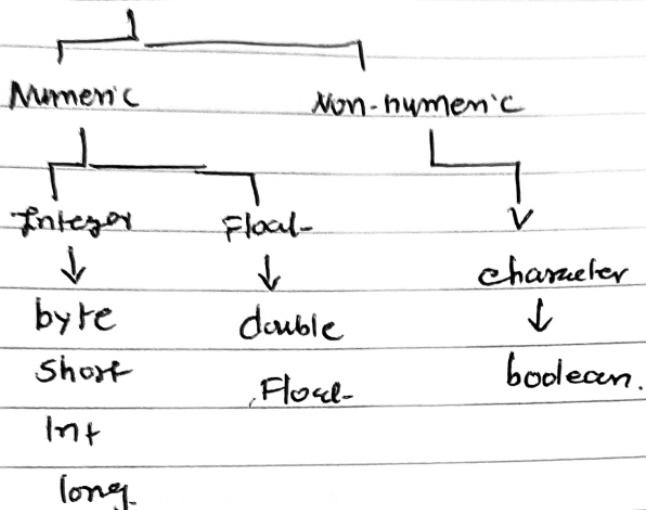
"new"

Kanushik

6. Data Types (5 times)

①

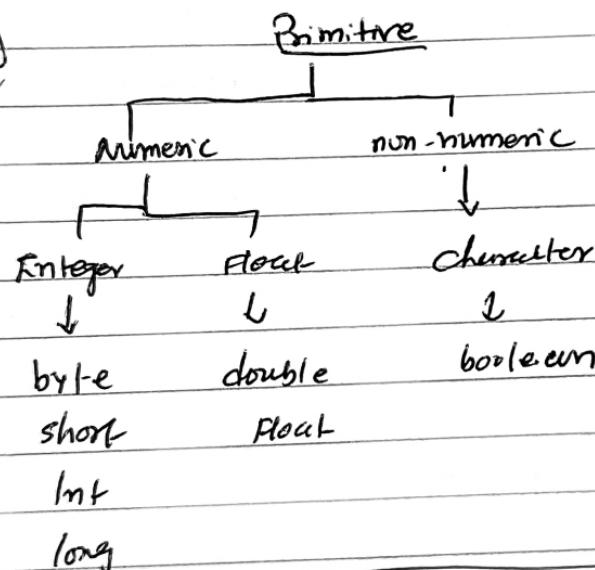
Primitive



Non-Primitive

↓
strings
arrays
user defined classes

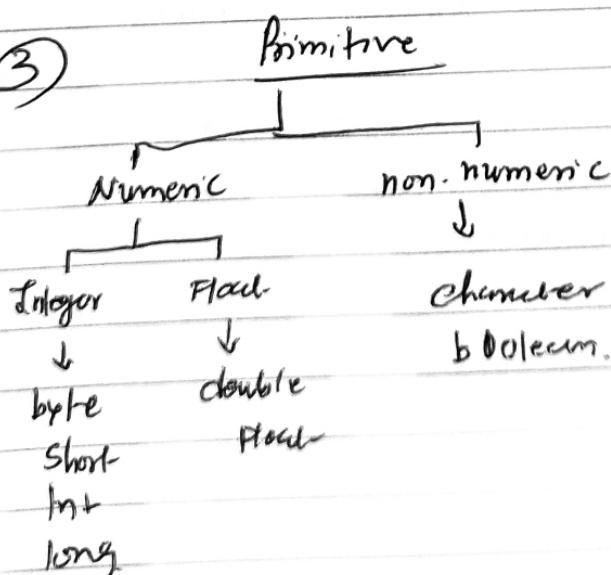
②



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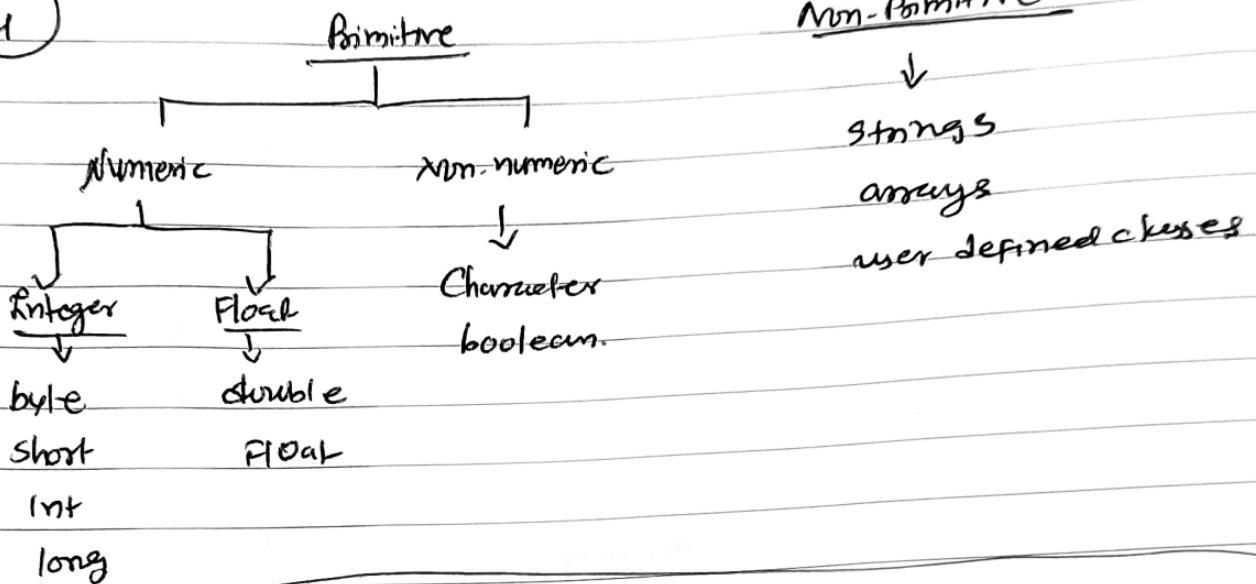
③



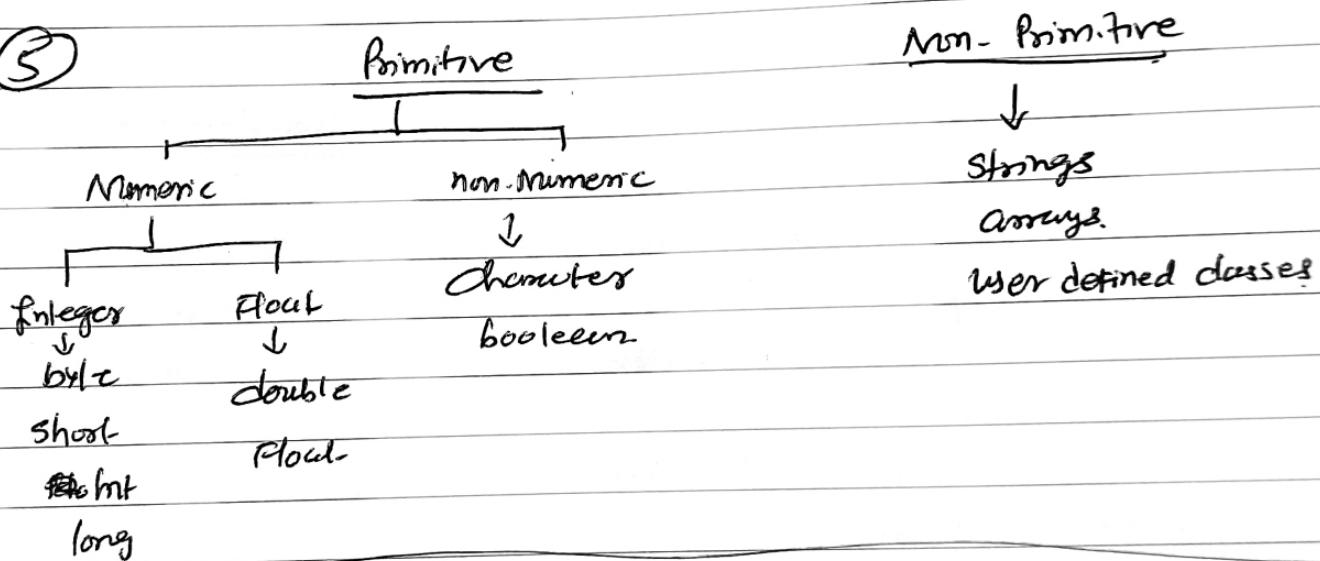
Non-Primitive

↓
strings
arrays
user defined classes

(4)



(5)



8. Scanner Declaration

① package homework;
import java.util.Scanner;
public class Handwritten {
 public static void main (String [] args) {
 Scanner scanner = new Scanner (System.in);
 int x; ~~int x;~~
 x = scanner.nextInt();
 }
}

Kaushik

(2)

Package homework;

import java.util.Scanner;

public class Handwritten {

 public static void main (String [] args) {

~~int~~ int x ;

 Scanner scanner = new Scanner (~~System~~ System.in) ;

 x = scanner.nextInt () ;

}

(3)

Package homework;

import java.util.Scanner;

public class Handwritten {

 public static void main (String [] args) {

~~int~~ int x ;

 Scanner scanner = new Scanner (System.in) ;

 x = scanner.nextInt () ;

}

9. Access & Non Access Modifier (5 times)

Access Modifiers

1. Default / private / Public / Protected
2. default / private / Public / protected
3. default / Private / Public / Protected
4. default / private / Public / protected
5. default / Private / Public / Protected
6. default / private / Public / protected
7. default / private / Public / Protected
8. default / private / Public / Protected.

Non-Access Modifiers

1. static / final / abstract
2. static / final / abstract
3. static / final / abstract
4. static / final / abstract
5. static / final / abstract
6. static / final / abstract
7. static / final / abstract
8. static / final / abstract

Kawshid

2. 5 class - 1 main Method - each class has
one object

①

```
package homework;
public class Prime {
    public static void main (String [] args) {
        Prime obj = new Prime();
        obj.slogan();
    }
}
```

3

```
public void slogan () {
    String a = " I am part of Prime Community ";
    System.out.println (a);
}
```

}

}

out put

I am part of prime community

This and (2) are examples of instance method
Calling in main static method ~~by~~ through object

②

package homework;

public ~~class~~ class MyCar {

public static void main (String [] args) {

MyCar obj = new MyCar();

obj.myCar();

3

public ~~class~~ ~~void~~ myCarModel () {

String a = "my car is Vauxhall vectra 2003"

System.out.println (a)

3

3

OutPut: my car is Vauxhall vectra 2003

③

package homework;

public class StaticMethodInstanceVariable {

int x = 100;

public static void main (String [] args) {

StaticMethodInstanceVariable obj = ~~new~~ ^{new} StaticMethodInstanceVariable();

System.out.println (obj.x);

3

3

OutPut will be 100

{ This is Instance Variable
calling in static Main Method }

Lanshiq

(4) package homomonic;

public class MyMethod {

 int x = 100;

 String a = "One Hundred";

 public static void main (String [] args) {

 number();

 }

 public static void number() {

 MyMethod obj = new MyMethod();

 System.out.println (obj.x);

 System.out.println (obj.a);

 }

5 Paketze homelronic ;
public class AvdyuAvukaryu {
String a = "Jeva Samjayu Evu Karyu chhe" ;
public static void main (String [] args) {
result();

```
    }  
  
    public static result() {  
        ArdyuArvKaryu obj = new ArdyuArvKaryu();  
        System.out.println(obj.a);  
    }  
}
```

OutPut : Jenu Samjiyu Evu Karyu chhe } this is Instance Variable
is calling in static Method
result(); and prints