Object Oriented Programming with Java (OOPJ)

Session 5

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```java
class Example{
    int x;
    int y;
    double z;

    Example(){
        System.out.println("CR Elections will be on Monday1!!");
    }
    Example(int a, int b){
        System.out.println("Complete your assignments on t...
        this.x=a;
        this.y=b;
    }
    Example(int a1, double b1){
        System.out.println("Complete your Hackerrank assig...
        this.x=a1;
        this.z=b1;
    }
    public static void main(String args[]){

        System.out.println("Happy Ganesh Chaturthi!!");
        //Example e1 = new Example();
        Example e1 = new Example(10,20);
        Example e2 = new Example(10,20.45);
        System.out.println("Be Happy !!");

    }
}
```

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```java
class Example {
  int x;
  int y;
  double z;
  Example();
  Example(int, int);
  Example(int, double);
  public static void main(java.lang.String[]);
}
```

```
C:\Test>java Example
Happy Ganesh Chaturthi!!
Complete your assignments on time!!
Complete your Hackerrank assignments on time!!
Be Happy !!

C:\Test>
```

e1 ➔ 10, 20

e2 ➔ 10, 20.45

```java
class Example{
    int x;
    int y;
    double z;

    Example(){
        System.out.println("CR Elections will be on Monday1!!");

    }
    Example(int a, int b){
        this();
        System.out.println("Complete your assignments on t
        this.x=a;
        this.y=b;

    }
    Example(int a1, double b1){
        this();
        System.out.println("Complete your Hackerrank assig
        this.x=a1;
        this.z=b1;

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

        System.out.println("Happy Ganesh Chaturthi!!");
        //Example e1 = new Example();
        Example e1 = new Example(10,20);
        Example e2 = new Example(10,20.45);
        System.out.println("Be Happy !!");

    }
}
```

```
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  int y;
  double z;
  Example();
  Example(int, int);
  Example(int, double);
  public static void main(java.lang.String[]);
}

C:\Test>java Example
Happy Ganesh Chaturthi!!
CR Elections will be on Monday1!!
Complete your assignments on time!!
CR Elections will be on Monday1!!
Complete your Hackerrank assignments on time!!
Be Happy !!

C:\Test>
```

```java
    double z;

    Example(){
        System.out.println("CR Elections will be on Monday!!!");
        x=100;
        y=200;
        z=500.45;
    }

    Example(int a, int b){
        //this();
        System.out.println("Complete your assignments
        this.x=a;
        this.y=b;
    }

    Example(int a1, double b1){
        this(1000,2000);
        System.out.println("Complete your Hackerrank
        this.x=a1;
        this.z=b1;
    }

    public static void main(String args[]){

        System.out.println("Happy Ganesh Chaturthi!!");
        //Example e1 = new Example();
        Example e1 = new Example(10,20);
        Example e2 = new Example(10,20.45);
        Example e3 = new Example(2000,0.0);
        System.out.println("Be Happy !!");
```

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C:\Test>javac Example.java

C:\Test>javac Example.java

C:\Test>java Example
Happy Ganesh Chaturthi!!
Complete your assignments on time!!
Complete your assignments on time!!
Complete your Hackerrank assignments on time!!
Complete your assignments on time!!
Complete your Hackerrank assignments on time!!
Be Happy !!

C:\Test>
```
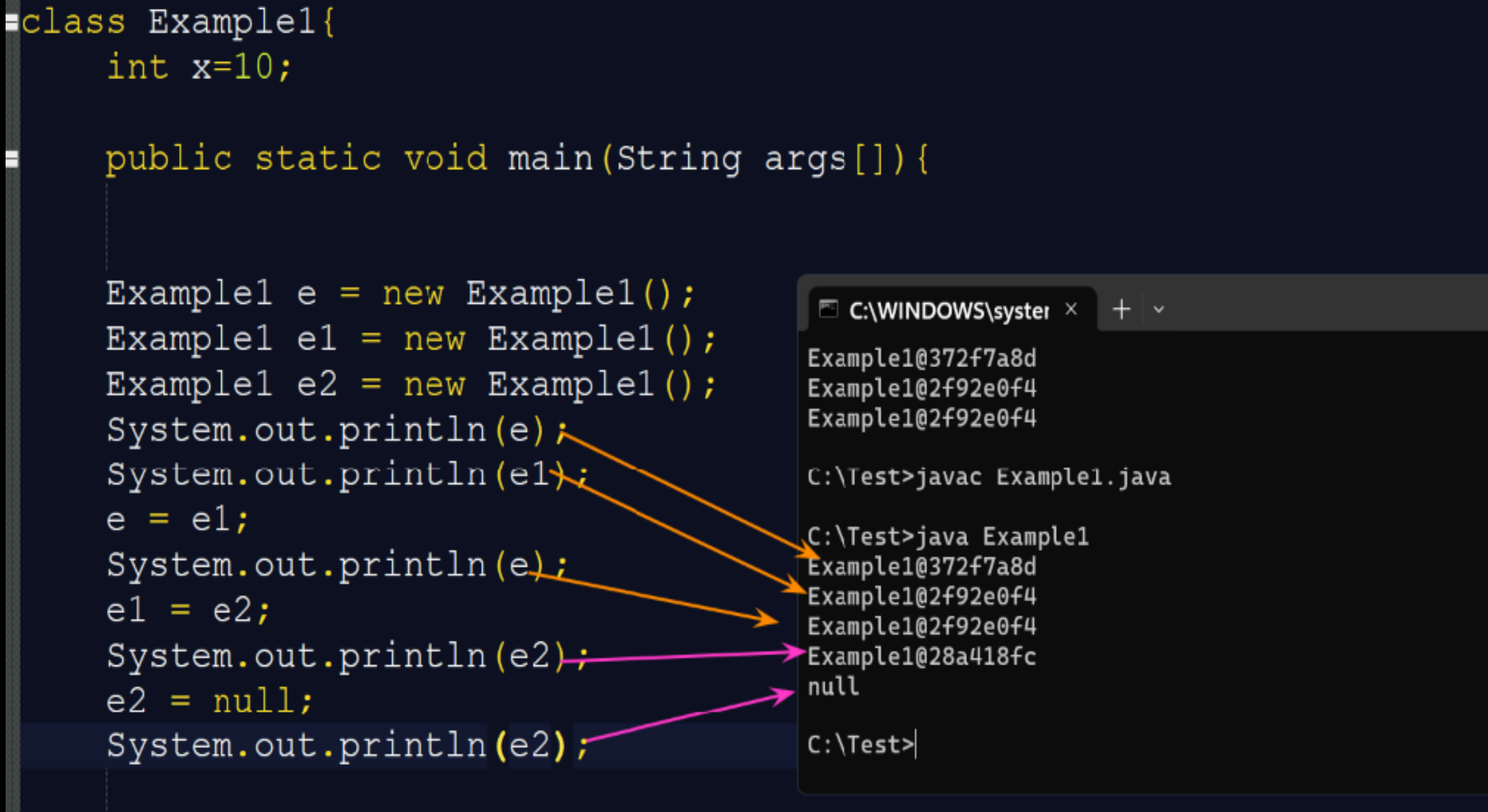
```java
class Example1{
    int x=10;

    public static void main(String args[]){


        Example1 e = new Example1();
        Example1 e1 = new Example1();
        Example1 e2 = new Example1();
        System.out.println(e);
        System.out.println(e1);
        e = e1;
        System.out.println(e);
        e1 = e2;
        System.out.println(e2);
        e2 = null;
        System.out.println(e2);
```

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Example1@372f7a8d
Example1@2f92e0f4
Example1@2f92e0f4

C:\Test>javac Example1.java

C:\Test>java Example1
Example1@372f7a8d
Example1@2f92e0f4
Example1@2f92e0f4
Example1@28a418fc
null

C:\Test>

Method	Syntax	Description
toString()	public String toString()	Displays the Current date and time.
setTime()	public void setTime(long time)	Sets this Date object to represent a point in time that is time milliseconds after January 1, 1970 00:00:00 GMT
hashCode()	public int hashCode()	Returns a hash code value for the Date object.
after()	public boolean after(Date d)	tests if current date is after the given date.
clone()	public Object clone()	returns the duplicate of passed Date object
before()	public boolean after(Date d)	if current date is before the given date
compareTo()	public int compareTo(Date argDate)	compares two dates and results in -1, 0 or 1 based on the comparison
equals.()	public boolean equals(Object argDate)	checks whether two dates are equal or not based on their millisecond difference
getTime()	public long getTime()	ethod results in count of milliseconds of the argumented date, referencing January 1, 1970, 00:00:00 GMT