

23BAI1117 – BCSE103E – Java

03/09/2024 – Day9

<https://github.com/sriram-s-23BAI1117/javap>

1)

```
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;

public class DateTimeEx1 {
    public static void main(String[] args) {
        LocalDateTime myDateObj = LocalDateTime.now();
        System.out.println("Before formatting: " + myDateObj);

        DateTimeFormatter myFormatObj = DateTimeFormatter.ofPattern("dd-MM-
yyyy HH:mm:ss");
        String formattedDate = myDateObj.format(myFormatObj);
        System.out.println("After formatting: " + formattedDate);
    }
}
```

```
PS E:\Day9-03-09-24> & 'C:\Program Files\Java\jdk1.8.0_202\bin\jav
faee1db486b9b824\redhat.java\jdt_ws\Day9-03-09-24_cf5c3d2\bin' 'D
Before formatting: 2024-09-03T06:33:33.775
After formatting: 03-09-2024 06:33:33
```

2)

```
class Employee {
    float salary = 40000;
}

class Programmer extends Employee {
    int bonus = 10000;
}

public class InheritanceEx1 {
    public static void main(String[] args) {
        Programmer p = new Programmer();
        System.out.println("Programmer salary is: " + p.salary);
        System.out.println("Bonus of Programmer is: " + p.bonus);
    }
}
```

```
PS E:\Day9-03-09-24> e.; cd 'e:\Day9-03-09-24'; & 'C:\P
ing\Code\User\workspaceStorage\0ab8ac0fa0d97a6efae1db48
Programmer salary is: 40000.0
Bonus of Programmer is: 10000
```

3)

```
class Animal {
    void eat() {
        System.out.println("eating...");
    }
}

class Dog extends Animal {
    void bark() {
        System.out.println("barking...");
    }
}

class BabyDog extends Dog {
    void weep() {
        System.out.println("weeping...");
    }
}

public class InheritanceEx2 {
    public static void main(String[] args) {
        BabyDog d = new BabyDog();
        d.weep();
        d.bark();
        d.eat();
    }
}
```

```
PS E:\Day9-03-09-24> & 'C:\Program Files\Java\jdk-11.0.10\bin\java.exe' -Xmx1024m -Xms128m -jar %~dp0\redhat.jar
weeping...
barking...
eating...
```

4)

```
class Animal {
    void eat() {
        System.out.println("eating...");
    }
}

class Dog extends Animal {
    void bark() {
        System.out.println("barking...");
    }
}

class Cat extends Animal {
    void meow() {
        System.out.println("meowing...");
    }
}

public class InheritanceEx3 {
    public static void main(String[] args) {
        Cat c = new Cat();
        c.meow();
        c.eat();
        System.out.println();
        Dog d = new Dog();
        d.bark();
        d.eat();
    }
}
```

```
E:\Day9-03-09-24>java InheritanceEx3
meowing...
eating...
```