23BAI1117 – BCSE103E – Java

12/08/2024 – Day4 – Theory

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

1)

```java
public class ConstructorEx1{
    int modelYear;
    String modelName;
    public ConstructorEx1(int year,String name){
        modelYear = year;
        modelName = name;
    }

    public void print(){
        System.out.printf(format:"%d %s",modelYear,modelName);
    }

    Run | Debug
    public static void main(String[] args) {
        int year = 1969;
        String name = "Mustang";
        ConstructorEx1 Ex1 = new ConstructorEx1(year, name);
        Ex1.print();
    }
}
```

```
PS D:\javap\javap>  & 'C:\Program Files\Java\jdk-21\b.
\workspaceStorage\df070269114bad7e7ee0ccada7d67122\re
1969 Mustang
```

2)

```java
abstract class AbstractEx1_1 {
    public String fname = "John";
    public int age = 24;
    public abstract void study();
}

class Student1 extends AbstractEx1_1{
    public int graduationYear = 2018;
    public Student1(){}
    public void study(){
        System.out.println(x:"Studying all day long");
    }
}
```

```java
class AbstractEx1_2{
    Run | Debug
    public static void main(String[] args) {
        Student1 myObj = new Student1();
        System.out.println("Name: "+myObj.fname);
        System.out.println("Age: "+myObj.age);
        System.out.println("Graduation Year: "+myObj.graduationYear);
        myObj.study();
    }
}
```

```
PS D:\javap\javap>  & 'C:\Program Files\Java\jdk-21\
 '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:
at.java\jdt_ws\javap_d78abbb4\bin' 'AbstractEx1_2'
Name: John
Age: 24
Graduation Year: 2018
Studying all day long
```