MENATI VASUDEVA REDDY,
19TUCS124,
SRI KRISHNA COLLEGE OF TECHNOLOGY.

####################################################################

//Abstract Class

```
abstract class Car
{
        abstract void door();
        abstract void glass();
}

class Benz extends Car
{
        void door()
        {
                System.out.println("  Benz door");
        }
        void glass()
        {
                System.out.println("  Benz glass");
        }
}
class Demo1
{
        public static void main(String aa[])
        {
                Car ob1=new Benz();
                ob1.door();
                ob1.glass();
        }
}
```

####################################################################

//Abstract Class

```
abstract class Car
{
        abstract void door();
        abstract void glass();
        void wheel()
        {
                System.out.println("  Wheel");
        }
}

class Benz extends Car
{
        void door()
        {
                System.out.println("  Benz door");
        }
```

```java
        void glass()
        {
                System.out.println("  Benz glass");
        }
}

class Lancer extends Car
{
        void door()
        {
                System.out.println("  Lancer door");
        }
        void glass()
        {
                System.out.println("  Lancer glass");
        }
}
class Demo2
{
        public static void main(String aa[])
        {
                Car ob1=new Benz();
                ob1.door();
                ob1.glass();
                ob1.wheel();

                System.out.println("=================");
                System.out.println("=================");

                Car ob2=new Lancer();
                ob2.door();
                ob2.glass();
                ob2.wheel();
        }
}


################################################################

abstract class Car
{
        abstract void door();
        abstract void glass();
}

abstract class Benz extends Car
{

        abstract void test();
}

class Sample extends Benz
{
```

```java
        void door()
        {
                System.out.println("  Sample door");
        }
        void glass()
        {
                System.out.println("  Sample glass");
        }
        void test()
        {
                System.out.println("  Sample Test");
        }
}
class Demo3
{
        public static void main(String aa[])
        {
                Sample ob=new Sample();
                ob.door();
                ob.glass();
                ob.test();
        }
}
```

########################################################################

```java
interface Mail
{
        void register();
        void valid();
}

class Yahoo implements Mail
{
        public void register()
        {
                System.out.println("  Yahoo registration");
        }
        public void valid()
        {
                System.out.println("  Yahoo validation");
        }
}
class Demo4
{
        public static void main(String aa[])
        {
                Mail ob1=new Yahoo();
                ob1.register();
                ob1.valid();
        }
}
```

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###########################################################################

```java
interface Mail1
{
        void register();
}
interface Mail2
{
        void register();
}

class Yahoo implements Mail1,Mail2
{
        public void register()
        {
                System.out.println("  Yahoo registration");
        }
}
class Demo5
{
        public static void main(String aa[])
        {
                Mail1 ob1=new Yahoo();
                Mail2 ob2=new Yahoo();

                ob1.register();
                ob2.register();
        }
}
```

###########################################################################
```java
interface Mail
{
        void register();
}

class Test
{
        void display()
        {
                Mail ob = new Mail()
                {
                        public void register()
                        {
                                System.out.println(" Anonymous Sub-Class ");
                        }
                };

                ob.register();
        }
}
```

```java
class Demo6
{
        public static void main(String aa[])
        {
                new Test().display();
        }
}
```

####################################################

```java
interface Mail
{
        void register();
        void valid();
}


class Demo6
{
        public static void main(String aa[])
        {
                Mail ob1=new Mail()
                {
                        public void register()
                        {
                                System.out.println("  Unknown registration");
                        }
                        public void valid()
                        {
                                System.out.println("  Unknown validation");
                        }
                };

                ob1.register();
                ob1.valid();
        }
}
```

#############################################################################


```java
interface Mail1
{
        void register();
}

class Sample
{
        void test()
        {
                new Mail1()
```

```java
                {
                        public void register()
                        {
                                System.out.println(" Anonymous registration ");
                        }
                }.register();
        }
}

interface Mail2
{
        void register();
}

class Yahoo implements Mail1,Mail2
{
        public void register()
        {
                System.out.println(" Yahoo registration ");
        }
}
class Demo5
{
        public static void main(String aa[])
        {
                Mail1 ob1=new Yahoo();
                Mail2 ob2=new Yahoo();

                ob1.register();
                ob2.register();

                new Sample().test();

        }
}
```