Practical 8 The Transport interface declares a deliver () method. The abstract class Animal is the super class of the Tiger, Camel, Deer and Donkey classes. The Transport interface is implemented by the Camel and Donkey classes. Write a test program that initialize an array of four Animal objects. If the object implements the Transport interface, the deliver () method is invoked.

```java
interface Transport
{
    void deliver();
}
abstract class Animal
{
        String name;
        abstract void get();
}
class Camel extends Animal implements Transport
{
        void get()
        {
                System.out.println("Camel");
        }
        public void deliver()
        {
                System.out.println("Camel used for transportation...");
        }
}
class Deer extends Animal
```
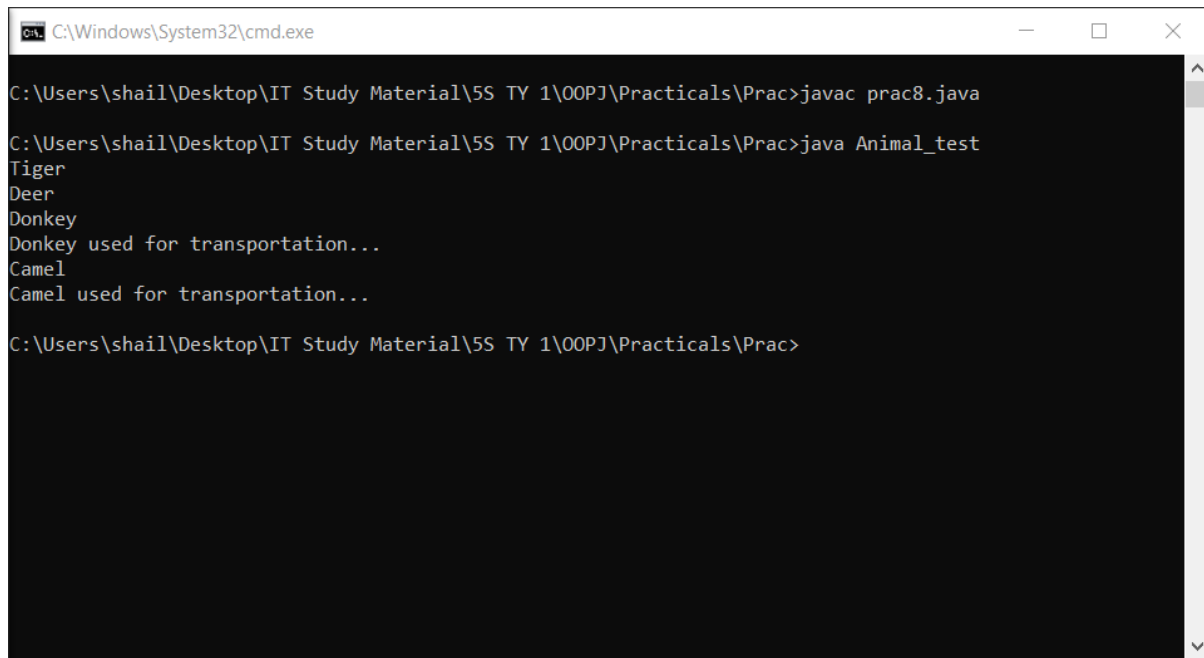
```java
{
        void get()
        {
                System.out.println("Deer");
        }
}
class Donkey extends Animal implements Transport
{
        void get()
        {
                System.out.println("Donkey");
        }
        public void deliver()
        {
                System.out.println("Donkey used for transportation...");
        }
}
class Tiger extends Animal
{
        void get()
        {
                System.out.println("Tiger");
        }
}
class Animal_test
{
        public static void main(String[] args)
```

```
        {

        Animal anim[]=new Animal [4];

                Tiger i1=new Tiger();

                Deer i2=new Deer();

                Donkey i3=new Donkey();

                Camel i4=new Camel();

                anim[0]=i1;

                anim[1]=i2;

                anim[2]=i3;

                anim[3]=i4;

                for(Animal a:anim)

                {

                        a.get();

                        if(a instanceof Transport)

                                ((Transport) a).deliver();

                }

        }

}
```

```
C:\Windows\System32\cmd.exe                                              —   □   ×

C:\Users\shail\Desktop\IT Study Material\5S TY 1\OOPJ\Practicals\Prac>javac prac8.java

C:\Users\shail\Desktop\IT Study Material\5S TY 1\OOPJ\Practicals\Prac>java Animal_test
Tiger
Deer
Donkey
Donkey used for transportation...
Camel
Camel used for transportation...

C:\Users\shail\Desktop\IT Study Material\5S TY 1\OOPJ\Practicals\Prac>
```