```
import java.util.*;
import accessModifiers1.A;
public class A
int x=10;
private int y = 15;
public int z=20;
protected int w= 25;
public static void main (String[] args)
A obj=new A();
System.out.println(obj.x);
System.out.println(obj.y);
System.out.println(obj.z);
System.out.println(childObj.w);
}
}
import java.util.*;
import accessModifiers1.A;
public class B
public static void main (String[] args)
A obj=new A();
System.out.println(obj.x);
System.out.println(obj.y); //private not accessible outside the class
System.out.println(obj.z); //public is accessible everywhere outside the class
System.out.println(childObj.w); //protected will be visible in different package in
subclass using object
}
}
//*********//
import java.util.*;
import accessModifiers2;
public class C extends A{
public static void main (String[] args)
A obj=new A();
C childObj = new C();
// System.out.println(childObj.x);
// System.out.println(childObj.y);//private not accessible outside the class
```

```
System.out.println(obj.z);
System.out.println(childObj.w); //protected will be visible in different package in
subclass using object
}
}
//*****************
import java.util.*;
import accessModifiers1.A;
public class D
public static void main (String[] args)
A obj=new A();
System.out.println(obj.x);
System.out.println(obj.y);
System.out.println(obj.z);
System.out.println(obj.w); //protected will not be accessible outside package in
non-subclass
}
}
/////*******Encapsulation********//////
import java.util.*;
import encapsulation;
class Demo
private int a =5;
private int b =10
private int c = 15;
private int d = 20;
public int getA()
System.out.println("Value of B read");
return this.a;
public int getB()
System.out.println("Value of B read");
return this.b;
```

```
}
public void SetA(int a)
if(a>100)
this.a = a;
System.out.println("Value of A changed to: "+a);
}
else
System.out.println("Cannot set");
}
public void setB(int b)
this.b =b;
}
public int getC()
return c;
public void setD(int d)
this.d = d;
public class EncapStudy
public static void main(String[] args)
Demo d = new Demo()
System.out.println(d.a); //not visible because private
System.out.println(d.getA());
d.setA(100);
System.out.println(d.getA());
}
```