```
class Clothes {
  // These data members and methods will be accessible from its Child
  // classes as well
  public void wash() {
      System.out.println("Washing the cloth");
class Shirt extends Clothes{
  String type;
  public void display() {
      System.out.println("Shirt");
class Jeans extends Clothes{
  String material;
  public void display() {
      System.out.println("Jeans");
public class Inherit {
  public static void main(String args[]) {
       Shirt tshirt = new Shirt();
       Jeans denim = new Jeans();
       tshirt.wash();
      denim.wash();
       tshirt.display();
      denim.display();
```

```
class Clothes {
  protected int size; // only visible to child classes
      color = col;
  public String getColor() {
      return color;
  public void setSize(int num) {
      size = num;
  public int getSize() {
      return size;
  public void wash() {
      System.out.println("Washing the cloth");
  String type;
  public void setType(String typ) {
      type = typ;
  public String getType() {
      return type;
  public void display() {
      System.out.println(getColor() + " " + type + " of size " + size);
  String material;
```

```
public void setMaterial(String mat) {
      material = mat;
  public String getMaterial() {
       return material;
  public void display() {
      System.out.println(getColor() + " " + material + " of size " +
size);
public class Inherit {
  public static void main(String args[]) {
      Shirt tshirt = new Shirt();
      Jeans denim = new Jeans();
       tshirt.setType("T-shirt");
       tshirt.setColor("Blue");
       tshirt.setSize(32);
       denim.setMaterial("Denim");
      denim.setColor("Blue");
      denim.setSize(40);
      tshirt.wash();
      denim.wash();
      tshirt.display();
      denim.display();
```

```
class Clothes {
  // static method can be called without any objects
  public static void staticMethod() {
      System.out.println("I am static");
  public void nonStaticMethod() {
      System.out.println("I am non-static");
      color = col;
  public String getColor() {
      return color;
  public void setSize(int num) {
      size = num;
  public int getSize() {
      return size;
  public void wash() {
      System.out.println("Washing the cloth");
  String type;
  public void setType(String typ) {
      type = typ;
  public String getType() {
      return type;
  public void display() {
```

```
System.out.println(getColor() + " " + type + " of size " + size);
class Jeans extends Clothes{
  public void setMaterial(String mat) {
      material = mat;
  public String getMaterial() {
      return material;
  public void display() {
      System.out.println(getColor() + " " + material + " of size " +
size);
public class Inherit {
  public static void main(String args[]) {
      Shirt tshirt = new Shirt();
      Jeans denim = new Jeans();
       tshirt.setType("T-shirt");
       tshirt.setColor("Blue");
       tshirt.setSize(32);
      denim.setMaterial("Denim");
      denim.setColor("Blue");
      denim.setSize(40);
      tshirt.wash();
      denim.wash();
       tshirt.display();
       denim.display();
```

```
// Non static method cannot be referenced from a static member

Clothes obj = new Clothes();
obj.staticMethod();
obj.nonStaticMethod();

Clothes.staticMethod();
//Clothes.nonStaticMethod();
}
```

```
class Clothes {
  public void setColor(String col) {
  public String getColor() {
      return color;
  public int getSize() {
      return size;
  public void wash() {
      System.out.println("Washing the cloth");
  String type;
  public void setType(String typ) {
      type = typ;
  public String getType() {
      return type;
  public void display() {
      System.out.println(getColor() + " " + type + " of size " + size);
  public void wash() {
      System.out.println("Washing the shirt");
```

```
class Jeans extends Clothes{
  String material;
  public void setMaterial(String mat) {
      material = mat;
  public String getMaterial() {
      return material;
  public void display() {
      System.out.println(getColor() + " " + material + " of size " +
size);
  public void wash() {
      System.out.println("Washing the jeans");
  public static void main(String args[]) {
       Shirt tshirt = new Shirt();
       Jeans denim = new Jeans();
       tshirt.setType("T-shirt");
       tshirt.setColor("Blue");
       tshirt.setSize(32);
      denim.setMaterial("Denim");
      denim.setColor("Blue");
      denim.setSize(40);
       tshirt.wash();
      denim.wash();
       tshirt.display();
```

```
denim.display();
}
```

```
class Clothes {
  public String getColor() {
      return color;
  public int getSize() {
      return size;
  public void wash() {
      System.out.println("Washing the cloth");
  String type;
  public void setType(String typ) {
      type = typ;
  public String getType() {
      return type;
  public void display() {
      System.out.println(getColor() + " " + type + " of size " + size);
  public void wash() {
      System.out.println("Washing the shirt");
```

```
String material;
  public void setMaterial(String mat) {
      material = mat;
  public String getMaterial() {
       return material;
  public void display() {
      System.out.println(getColor() + " " + material + " of size " +
size);
       System.out.println("Washing the jeans");
public class Inherit {
  public static void main(String args[]) {
      Clothes tshirt = new Shirt();
      Clothes denim = new Jeans();
       tshirt.setColor("Blue");
       tshirt.setSize(32);
      denim.setColor("Blue");
      denim.setSize(40);
       tshirt.wash();
      denim.wash();
```

```
class Clothes {
  public void setColor(String col) {
  public String getColor() {
      return color;
  public int getSize() {
      return size;
  public static void wash() {
      System.out.println("Washing the cloth");
  String type;
  public void setType(String typ) {
      type = typ;
  public String getType() {
      return type;
  public void display() {
      System.out.println(getColor() + " " + type + " of size " + size);
      System.out.println("Washing the shirt");
```

```
class Jeans extends Clothes{
  String material;
  public void setMaterial(String mat) {
      material = mat;
  public String getMaterial() {
      return material;
  public void display() {
      System.out.println(getColor() + " " + material + " of size " +
size);
  public static void wash() {
      System.out.println("Washing the jeans");
public class Inherit {
  public static void main(String args[]) {
      Clothes tshirt = new Shirt();
      Clothes denim = new Jeans();
       tshirt.setColor("Blue");
       tshirt.setSize(32);
      denim.setColor("Blue");
      denim.setSize(40);
       tshirt.wash();
      denim.wash();
```