# **Directory File Project:**



### BangunDatar.java

```
BangunDatar.java X B PersegiPanjang.java X B Segitiga.java X B Lingka
 Source History | 👺 👺 + 💹 + | 🔩 😓 👺 🖶 🗀 | 👉 😓 😓 | 🖭 🖭
       package Jurnal08;
  2
       public class BangunDatar {
  0
            private String nama;
  4
  5
            public BangunDatar(String nama) {
  6
  7
                this.nama = nama;
  8
  9
            public String getNama() {
 10
     return nama;
 11
 12
 13
            public double hitungKeliling() {
  0
 15
                return 0.0;
 16
 17
            public double hitungLuas() {
  0
     return 0.0;
 19
 20
 21
            public void setNama(String nama) {
 22
                this.nama = nama;
 23
 24
 25
 26
 27
```

### PersegiPanjang.java

```
🔊 BangunDatar.java 🗴 🚳 PersegiPanjang.java 🗴 🚳 Segitiga.java 🗴 🚳 Lingkaran.java 🗴 🚳 DriverBangunDatar.jav
      History 🖟 🖫 - 💹 - 🔍 🔂 🞝 🖶 🖺 🕌 🖒 🔁 🖆 🗐 🌑 🕒 🏙
      package Jurnal08;
 2
      public class PersegiPanjang extends BangunDatar {
 3
           private int lebar;
 4
           private int panjang;
 5
 6
           public PersegiPanjang(int lebar, int panjang, String nama) {
 7
    8
               super(nama);
               this.lebar = lebar;
 9
               this.panjang = panjang;
10
11
12
           public int getLebar() {
13
    口
               return lebar;
14
15
16
           public int getPanjang() {
17
    曱
               return panjang;
18
19
20
           a0verride
21
           public double hitungKeliling() {
 0
    口
               return Math.round(2 * (lebar + panjang));
23
24
25
           aoverride
26
           public double hitungLuas() {
 0
    口
               return Math.round(panjang * lebar);
28
29
30
           public void setLebar(int lebar) {
31
               this.lebar = lebar;
32
33
34
           public void setPanjang(int panjang) {
35
    口
               this.panjang = panjang;
36
37
38
39
40
```

### Segitiga.java

```
🚳 BangunDatar.java 🗴 🚳 PersegiPanjang.java 🗴 🚳 Segitiga.java 🗴 🚳 Lingkaran.java 🗴 🚳 DriverBa
      History | 🔀 🧓 + 💹 + | 🔩 😓 😓 | 🚉 | 🔴 🕒 | 🚉 🚅
      package Jurnal08;
 2
      public class Segitiga extends BangunDatar {
 3
           private int alas;
 4
           private int tinggi;
 5
 6
           public Segitiga(int alas, int tinggi, String nama) {
 7
    super(nama);
 8
               this.alas = alas;
 9
               this.tinggi = tinggi;
10
11
12
13
           public int getAlas() {
    巨
               return alas;
14
15
16
           public int getTinggi() {
17
    return tinggi;
18
19
20
           aoverride
21
           public double hitungKeliling() {
 0
    口
               return Math.round(3 * alas + (0.5 * tinggi));
23
           }
24
25
           ลoverride
26
           public double hitungLuas() {
 0
    口
               return Math.round(0.5 * alas * tinggi);
28
29
30
           public void setAlas(int alas) {
31
    巨
               this.alas = alas;
32
33
34
           public void setTinggi(int tinggi) {
35
    this.tinggi = tinggi;
36
37
38
39
40
```

### Lingkaran.java

```
🚳 BangunDatar.java 🗴 🚳 PersegiPanjang.java 🗴 🚳 Segitiga.java 🗴 🚳 Lingkaran.java 🗴 🚳 DriverBangunDa
      History | 🕝 👨 - 🗐 - | 🔩 🐶 🖶 📫 | 🖓 😓 🗟 | 🖆 살 | 🧼 🔲 | 🕮 🚅
       package Jurnal08;
 1
 2
       public class Lingkaran extends BangunDatar {
 3
           private int jari_jari;
 4
 5
           public Lingkaran(int jari_jari, String nama) {
 6
    口
 7
               super(nama);
               this.jari_jari = jari_jari;
 8
 9
10
           public int getJari_jari() {
11
    口
               return jari jari;
12
13
14
15
           aoverride
           public double hitungKeliling() {
 0
    口
               return Math.round(2 * Math.PI * jari_jari);
17
18
19
           ลoverride
20
           public double hitungLuas() {
 0
    口
                return Math.round(Math.PI * Math.pow(jari_jari, 2));
22
23
24
           public void setJari_jari(int jari_jari) {
25
    口
               this.jari_jari = jari_jari;
26
27
28
       }
29
30
```

### DriverBangunDatar.java

```
🔞 BangunDatar.java 🗴 🚳 PersegiPanjang.java 🗴 🚳 Segitiga.java 🗴 🚳 Lingkaran.java 🗴 🚳 DriverBangunDatar.java 🗴
 Source History | 🔀 💀 🔻 🔻 🗸 😓 📮 📮 | 谷 😓 🔁 🚉 | 🥚 🔲 🔮 🚅
       package Jurnal08;
 2
       public class DriverBangunDatar {
 3
           public static void main(String[] args) {
  4
               BangunDatar BD[] = new BangunDatar[3];
  5
  6
               BD[0] = new Lingkaran(21, "Circle");
  7
               BD[1] = new PersegiPanjang(15, 8, "Rectangle");
  8
               BD[2] = new Segitiga(10, 12, "Triangle");
  9
 10
               for (BangunDatar BD1 : BD) {
 11
                    System.out.println("Nama BangunDatar : " + BD1.getNama());
 12
 13
                    if (null ≠ BD1.getNama()) switch (BD1.getNama()) {
 14
                        case "Circle":
                            System.out.println("Jari-jari : " + 21);
 15
 16
                            break;
                        case "Rectangle":
 17
                            System. out.println("Panjang
                                                                   : " + 15);
 18
                                                                    : " + 8);
                            System. out.println("Lebar
 19
                            break;
 20
                        case "Triangle":
 21
                            System.out.println("Alas
                                                                  : " + 10);
 22
                            System.out.println("Tinggi
                                                               : " + 12);
 23
                            break;
 24
                        default:
 25
                            break;
 26
 27
                    System.out.println("Luas : " + BD1.hitungLuas());
System.out.println("Keliling : " + BD1.hitungKeliling());
 28
 29
                    System.out.println("");
 30
 31
 32
           }
 33
       }
 34
 35
```

## **Output:**

```
□ Output - PBO_1303194010_MOD8_JURNAL_STO (run) ×
      run:
      Nama BangunDatar : Circle
  \mathbb{D}
      Jari-jari : 21
  Luas : 1385.0
Keliling : 132.0
                      : 1385.0
      Nama BangunDatar : Rectangle
      Panjang : 15
Lebar : 8
Luas : 120.0
      Lebar
      Keliling : 46.0
      Nama BangunDatar : Triangle
      Alas : 10
Tinggi : 12
                      : 60.0
      Luas
      Keliling : 36.0
      BUILD SUCCESSFUL (total time: 0 seconds)
```