

Assignment - 2 JAVA

- 1) Write a Program to illustrate Polymorphism. 3 classes, circle, square, triangle shape infrastructure 3 methods.

```
class shape {
```

```
    public void render () {
```

```
        System.out.println ("Rendering shape");
```

```
    }
```

```
}
```

```
class shape square extends shape {
```

```
    public void render () {
```

```
        System.out.println ("Rendering square...");
```

```
    }
```

```
}
```

```
class circle extends shape {
```

```
    public void render () {
```

```
        System.out.println ("Rendering circle...");
```

```
    }
```

```
}
```

```
class Triangle extends shape {
```

```
    public void render () {
```

```
        System.out.println ("Rendering Triangle...");
```

```
    }
```

```
class Main {
```

```
    public static void main (String [] args) {
```

```
        Square s1 = new Square ();
```

```
        s1.render();
```

```
        Triangle t1 = new Triangle ();
```

```
        t1.render();
```

```
    }
```

```
}
```

2) Polymorphism

~~static boolean~~ ()

```
class Parent {
```

```
    static boolean ( )
```

```
{
```

```
    System.out.println ("TV class is rendered");
```

```
    return true;
```

```
}
```

```
static boolean Phone ( int Phoneno, double Price,
```

```
String
```

```
{
```

```
    System.out.println (Photo "1t" + Playlist + " 1t" +
```

```
Price);
```

```
    return true;
```

```
}
```

```
Public static void main (String args[])
```

```
{
```

```
    System.out.println ("iv method is called");
```

```
    System.out.println (true);
```

```
    System.out.println ("Radio method is called");
```

```
    System.out.println (Radio (4 "Alben"));
```

```
    System.out.println ("Phone number is called");
```

```
    System.out.print (Phone (4, 20, 3, "Alben"));
```

```
}
```

```
}
```