

LOGO PROGRAMMING

Drawing a Square

```
To SQUARE  
FD 100  
RT 90  
FD 100  
RT 90  
FD 100  
RT 90  
FD 100  
RT 90  
END
```

OR

```
To SQUARE  
REPEAT 4[FD RT 90]  
END
```

OR

```
To SQUARE :length  
REPEAT 4[FD :length RT 90]  
END
```

Which programming do you prefer? Why?

Drawing Polygons

```
To POLYGON :length :sides  
REPEAT :sides[FD :length RT 360/:sides]  
END
```

Drawing Circles

```
To CIRCLE :length :sides  
REPEAT :sides[FD :length RT 360.0/:sides]  
END
```

Note: This program is the same as that of polygons. Keep sides > 30 to get circles.

Drawing Angles

```
To ANGLE :angle  
FD 200  
BK 200  
RT :angle  
FD 200  
BK 200  
LT :angle  
END
```

Drawing Sycamore Tree

```
TO SYCAMORE :L
IF :L < 5[stop]
FD :L
RT 30
SYCAMORE :L*0.7
LT 30
SYCAMORE :L*0.6
LT 30
SYCAMORE :L*0.7
RT 30
BK :L
END
```