Basic Project: To form the four bond model using turtle.

In [7]:
```python
import numpy as np
```

In [ ]:
```python
from turtle import *
def statement1():
    bgcolor("yellow")
    for j in range(0,15):
        penup()
        goto(10*j,-50+10*j)
        pendown()
        color("green")
        if j==14:
            begin_fill()
            circle(50+j)
            end_fill()
        else:
            circle(50+j)
def statement2():
    for j in range(0,15):
        penup()
        goto(-10*j,-50+10*j)
        pendown()
        color("red")
        if j==14:
            begin_fill()
            circle(50+j)
            end_fill()
        else:
            circle(50+j)
def statement3():
    for j in range(0,15):
        penup()
        goto(10*j,-50-10*j)
        pendown()
        color("blue")
        if j==14:
            begin_fill()
            circle(50+j)
            end_fill()
        else:
            circle(50+j)
def statement4():
    for j in range(0,15):
        penup()
        goto(-10*j,-50-10*j)
        pendown()
        color("gray")
        if j==14:
            begin_fill()
            circle(50+j)
            end_fill()
        else:
            circle(50+j)
rudra_turtle=turtle.Turtle()
def statement5():
    for k in range(0,415,5):
        color("black")
        rudra_turtle.forward(205-k)
        rudra_turtle.left(90)
        rudra_turtle.forward(220-k)
        rudra_turtle.left(90)
        rudra_turtle.forward(205-k)
        rudra_turtle.left(90)
        rudra_turtle.forward(220-k)
        rudra_turtle.left(90)
def statement6():
    for k in range(0,415,5):
        color("black")
        rudra_turtle.forward(205-k)
        rudra_turtle.right(90)
        rudra_turtle.forward(190-k)
        rudra_turtle.right(90)
        rudra_turtle.forward(205-k)
        rudra_turtle.right(90)
        rudra_turtle.forward(190-k)
        rudra_turtle.right(90)
statement1()
statement2()
statement3()
statement4()
statement5()
statement6()
```