bg = rectangle(w=300, h=300, fill="#faf3e0", stroke="none") # Light off-white like "kasavu" fabric

show(bg)

main\_circle = circle(r=150, fill="#276746", stroke="none") # Deep green symbolizing Kerala's lush greenery

show(main\_circle)

white\_square = rectangle(w=212, h=212, fill="#faf3e0", stroke="none") | repeat(10, rotate(10)) # Kasavu white

show(white\_square)

gold\_square = rectangle(w=200, h=200, fill="#d4a017", stroke="none") | rotate(16) | repeat(10, rotate(10)) # Golden color reflecting traditional Kerala saree border

show(gold\_square)

orange\_square = rectangle(w=188, h=188, fill="#ff9e29", stroke="none") | rotate(22) | repeat(10, rotate(10)) # Festive orange for Onam

show(orange\_square)

red\_square = rectangle(w=176, h=176, fill="#b0281a", stroke="none") | rotate(28) | repeat(10, rotate(10)) # Deep red used in traditional decorations

show(red\_square)

maroon\_square = rectangle(w=164, h=164, fill="#7c2a1a", stroke="none") | rotate(34) | repeat(10, rotate(10)) # Earthy maroon

show(maroon\_square)

sub\_circle1 = circle(x=100, y=0, r=50, fill="#d4a017") # Golden yellow for festivities

sub\_circle2 = circle(x=100, y=0, r=42, fill="#7c2a1a", stroke="none") # Deep maroon

sub\_circle3 = circle(x=100, y=0, r=34, fill="#b0281a", stroke="none") # Deep red

sub\_circle4 = circle(x=100, y=0, r=26, fill="#ff9e29", stroke="none") # Festive orange

sub\_circle5 = circle(x=100, y=0, r=18, fill="#d4a017", stroke="none") # Golden hue

sub\_circle6 = circle(x=100, y=0, r=10, fill="#faf3e0", stroke="none") # Off-white center

sub\_circles = combine([sub\_circle1, sub\_circle2, sub\_circle3, sub\_circle4, sub\_circle5, sub\_circle6])

show(sub\_circles | repeat(6, rotate(60)))

inner\_circle\_outline = circle(r=100, stroke\_width=2)

show(inner\_circle\_outline)

rect\_maroon = rectangle(w=198, h=10, fill="#7c2a1a", stroke="none") | rotate(7) # Maroon

rect\_red = rectangle(w=198, h=10, fill="#b0281a", stroke="none") | rotate(52) # Deep red

rect\_orange = rectangle(w=198, h=10, fill="#ff9e29", stroke="none") | rotate(97) # Orange

rect\_gold = rectangle(w=198, h=10, fill="#d4a017", stroke="none") | rotate(142) # Gold

show(combine([rect\_maroon | repeat(7, rotate(5)), rect\_red | repeat(7, rotate(5)), rect\_orange | repeat(7, rotate(5)), rect\_gold | repeat(7, rotate(5))]))

petal1 = ellipse(x=50, y=0, w=100, h=70, fill="#ff9e29") # Orange petal

petal2 = ellipse(x=50, y=0, w=100, h=70, fill="#d4a017") | rotate(45) # Golden yellow petal

petal3 = ellipse(x=50, y=0, w=100, h=70, fill="#faf3e0") | rotate(90) # Off-white petal

petal4 = ellipse(x=50, y=0, w=100, h=70, fill="#b0281a") | rotate(135) # Deep red petal

show(combine([petal1, petal1 | scale(x=-1), petal2, petal2 | scale(x=-1, y=-1), petal3, petal3 | scale(x=-1, y=-1), petal4, petal4 | scale(x=-1, y=-1)]) | rotate(45))

small\_petal1 = ellipse(x=30, w=100, h=36, fill="#ff9e29") | rotate(-21)

small\_petal2 = ellipse(x=30, w=100, h=36, fill="#d4a017") | rotate(23)

small\_petal3 = ellipse(x=30, w=100, h=36, fill="#7c2a1a") | rotate(67)

small\_petal4 = ellipse(x=30, w=100, h=36, fill="#b0281a") | rotate(111)

show(combine([small\_petal1, small\_petal1 | scale(x=-1, y=-1), small\_petal2, small\_petal2 | scale(x=-1, y=-1), small\_petal3, small\_petal3 | scale(x=-1, y=-1), small\_petal4, small\_petal4 | scale(x=-1, y=-1)]))

inner\_circle = circle(r=52, fill="#d4a017") # Gold

show(inner\_circle)

pattern1 = rectangle(w=90, h=8, fill="#b0281a", stroke="none") | rotate(4)

pattern2 = rectangle(w=90, h=8, fill="#f4d6c1", stroke="none") | rotate(49) # Soft beige like Kerala’s traditional attire

show(combine([pattern1 | repeat(6, rotate(7)) | repeat(2, rotate(90)), pattern2 | repeat(6, rotate(7)) | repeat(2, rotate(90))]))

pattern3 = rectangle(w=90, h=11, fill="#b0281a", stroke="none") | rotate(49) | scale(0.74)

pattern4 = rectangle(w=90, h=7, fill="#b0281a", stroke="none") | rotate(2) | scale(0.74)

show(combine([pattern3 | repeat(6, rotate(7)) | repeat(2, rotate(90)), pattern4 | repeat(6, rotate(7)) | repeat(2, rotate(90))]) | rotate(2))

pattern5 = rectangle(w=90, h=8, fill="#f4d6c1", stroke="none") | rotate(4) | scale(0.5)

pattern6 = rectangle(w=90, h=8, fill="#b0281a", stroke="none") | rotate(49) | scale(0.5)

show(combine([pattern5 | repeat(6, rotate(7)) | repeat(2, rotate(90)), pattern6 | repeat(6, rotate(7)) | repeat(2, rotate(90))]))

show(circle(r=12, fill="#faf3e0", stroke="none")) # Final white center