In [ ]:

```
from turtle import *
from random import *
import turtle
import time

#setting up the screen

setup(800,500)
title("Turtle Race")
bgcolor("forestgreen")
speed(0)
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from turtle import *
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setup(800,500)
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#heading
penup()
goto(-100,205)
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write("Turtle Race",font = ("Arial",20,"bold"))
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#dirt track
goto(-350,200)
color("black")
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for i in range(2):
    forward (700)
    right(90)
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for i in range(2):
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end_fill()

#finish line
gap_size = 20
shape("square")
penup()

#white sqares row 1
color("white")
for i in range(10):
    goto(250, (170 - i*gap_size*2))
    stamp()

#row 2
for i in range(10):
    goto(250 + gap_size, (210 - gap_size) - (i*gap_size*2))
    stamp()

# Black Squares row 1
color("black")
for i  in range(10):
    goto(250,(190 - ( i* gap_size *2)))
    stamp()

#Black squares rows 2
#color("black")
for i in range(10):
    goto(251 + gap_size, ((190 - gap_size) - ( i* gap_size *2)))
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    stamp()


#Turtle 1 - Blue

blue_turtle = Turtle()
blue_turtle.color("orange")
blue_turtle.shape("turtle")
blue_turtle.shapesize(1.5)
blue_turtle.penup()
blue_turtle.goto(-300,150)
blue_turtle.pendown()

#Turtle 2- pink

pink_turtle = Turtle()
pink_turtle.color("pink")
pink_turtle.shape("turtle")
pink_turtle.shapesize(1.5)
pink_turtle.penup()
pink_turtle.goto(-300,50)
pink_turtle.pendown()

#Turtle 3- cyan

cyan_turtle = Turtle()
cyan_turtle.color("cyan")
cyan_turtle.shape("turtle")
cyan_turtle.shapesize(1.5)
cyan_turtle.penup()
cyan_turtle.goto(-300,-50)
cyan_turtle.pendown()

#Turtle 4 - white
white_turtle = Turtle()
white_turtle.color("white")
white_turtle.shape("turtle")
white_turtle.shapesize(1.5)
white_turtle.penup()
white_turtle.goto(-300,-150)
white_turtle.pendown()

#Start the race after few seconds
time.sleep(1)

#Move the turtles

while blue_turtle.xcor() <=230:
     blue_turtle.forward(randint(1,10))
```

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#Turtle 1 - orange
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orange_turtle.color("orange")
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#Turtle 4 - white
white_turtle = Turtle()
white_turtle.color("white")
white_turtle.shape("turtle")
white_turtle.shapesize(1.5)
white_turtle.penup()
white_turtle.goto(-300,-150)
white_turtle.pendown()

#Start the race after few seconds

time.sleep(1)

#Move the turtles

while orange_turtle.xcor() <=230 and pink_turtle.xcor() <=230 and cyan_turtle.xcor() <=230 and white_turtle.xcor() <=230:
 orange_turtle.forward(randint(1,10))
 pink_turtle.forward(randint(1,10))
 cyan_turtle.forward(randint(1,10))
 white_turtle.forward(randint(1,10))

exitonclick()
```

In [1]:

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#Turtle 4 - white
white_turtle = Turtle()
white_turtle.color("white")
white_turtle.shape("turtle")
white_turtle.shapesize(1.5)
white_turtle.penup()
white_turtle.goto(-300,-150)
white_turtle.pendown()

#Start the race after few seconds

time.sleep(1)

#Move the turtles

while orange_turtle.xcor() <=230 and pink_turtle.xcor() <=230 and cyan_turtle.xcor() <=230 and white_turtle.xcor() <=230:
 orange_turtle.forward(randint(1,10))
 pink_turtle.forward(randint(1,10))
 cyan_turtle.forward(randint(1,10))
 white_turtle.forward(randint(1,10))

#Celebrate the Winner
if orange_turtle.xcor() > pink_turtle.xcor() and orange_turtle.xcor() > cyan_turtle.xcor() and orange_turtle.xcor() > white_turtle.xcor():
  print("orange turtle Wins!!!!")
elif pink_turtle.xcor() > orange_turtle.xcor() and pink_turtle.xcor() > cyan_turtle.xcor() and pink_turtle.xcor() > white_turtle.xcor():
  print("pink turtle Wins!!!!")
elif cyan_turtle.xcor() > orange_turtle.xcor() and cyan_turtle.xcor() > pink_turtle.xcor() and cyan_turtle.xcor() > white_turtle.xcor():
  print("cyan turtle Wins!!!!")
elif white_turtle.xcor() > orange_turtle.xcor() and white_turtle.xcor() > pink_turtle.xcor() and white_turtle.xcor() > cyan_turtle.xcor():
   print("white turtle Wins!!!!")
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```
white turtle Wins!!!!
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white_turtle.shapesize(1.5)
white_turtle.penup()
white_turtle.goto(-300,-150)
white_turtle.pendown()

#Start the race after few seconds

time.sleep(1)

#Move the turtles

while orange_turtle.xcor() <=230 and pink_turtle.xcor() <=230 and cyan_turtle.xcor() <=230 and white_turtle.xcor() <=230:
 orange_turtle.forward(randint(1,10))
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  print("pink turtle Wins!!!!")
elif cyan_turtle.xcor() > orange_turtle.xcor() and cyan_turtle.xcor() > pink_turtle.xcor() and cyan_turtle.xcor() > white_turtle.xcor():
  print("cyan turtle Wins!!!!")
elif white_turtle.xcor() > orange_turtle.xcor() and white_turtle.xcor() > pink_turtle.xcor() and white_turtle.xcor() > cyan_turtle.xcor():
   print("white turtle Wins!!!!")

#Celebrate the Winner
if orange_turtle.xcor() > pink_turtle.xcor() and orange_turtle.xcor() > cyan_turtle.xcor() and orange_turtle.xcor() > white_turtle.xcor():
  print("orange turtle Wins!!!!")
  for i in range(72):
    orange_turtle.right(5)
    orange_turtle.shapesize(2.5)
elif pink_turtle.xcor() > orange_turtle.xcor() and pink_turtle.xcor() > cyan_turtle.xcor() and pink_turtle.xcor() > white_turtle.xcor():
  print("pink turtle Wins!!!!")
  for i in range(72):
    pink_turtle.right(5)
    pink_turtle.shapesize(2.5)
elif cyan_turtle.xcor() > orange_turtle.xcor() and cyan_turtle.xcor() > pink_turtle.xcor() and cyan_turtle.xcor() > white_turtle.xcor():
  print("cyan turtle Wins!!!!")
  for i in range(72):
    cyan_turtle.right(5)
    cyan_turtle.shapesize(2.5)
else:
   print("white turtle Wins!!!!")
   for i in range(72):
    white_turtle.right(5)
    white_turtle.shapesize(2.5)

exitonclick()
```

```
pink turtle Wins!!!!
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