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import turtle
import time
import random

WIDTH, HEIGHT = 500, 500
Screen = turtle.Screen()
Screen.setup(WIDTH, HEIGHT)
Screen.title('The Great Turtle Race')
COLORS = ['red', 'green', 'blue', 'yellow', 'purple', 'brown', 'gray', 'pink', 'olive', 'orange']

def get_the_num_of_racers():
while True:
  racers = input("Enter the number of racers (2-10): ")
  if racers.isdigit():
    racers = int(racers)
    if 2 <= racers <= 10:
      return racers
  print("Input is not numeric or not in range 2-10. Try again!")

def race(colors):
  turtles = create_turtles(colors)

  while True:
     for racer in turtles:
        distance = random.randrange(1, 20)
        racer.forward(distance)
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        x, y = racer.pos()
        if y >= HEIGHT // 2 - 10:
            return colors[turtles.index(racer)]

def create_turtles(colors):
  turtles = []
  spacingx = WIDTH // (len(colors) + 1)
  for i, color in enumerate(colors):
      racer = turtle.Turtle()
      racer.speed(2)
      racer.shape('turtle')
      racer.color(color)
      racer.penup()
      racer.setpos(-WIDTH // 2 + (i + 1) * spacingx, -HEIGHT // 2 + 20)
      racer.pendown()
      racer.left(90)
      turtles.append(racer)
  return turtles

def init_turtle():
  screen = turtle.Screen()
  screen.setup(WIDTH, HEIGHT)
  screen.title('The Great Turtle Race')

racers = get_the_num_of_racers()
random.shuffle(COLORS)
colors = COLORS[:racers]
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winner = race(colors)

print(f'The winner is the turtle with color {winner}')

Screen.mainloop()
```