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from math import pi,sin,cos,radians

def main():
    angle = eval(input("Enter the launch angle (in degrees):"))
    vel = eval(input("Enter the initial velocity (in meters/sec):"))
    h0 = eval(input("Enter the initial height (in meters):"))
    time = eval(input("Enter the time interval: "))

    xpos = 0
    ypos = h0

    theta = radians(angle)
    xvel = vel * cos(theta)
    yvel = vel * sin(theta)

    while ypos >= 0:
        xpos = xpos + time * xvel
        yvell = yvel - time * 9.8
        ypos = ypos + time * (yvel + yvell)/2.0
        yvel = yvell
    print("\nDistance traveled:{0:0.1f}meters.".format(xpos))

if __name__ == "__main__":
    main()

```