**LAB:02**

**QUESTION:07**

**PROGRAM**

**INPUT**

**from** math **import**\*  
h=float(input(**"enter height in feet"**))  
g=float(input(**"enter acc. due to gravity in ft/s\*\*2"**))  
u=float(input(**"enter initial velocity in ft/s"**))  
v=((2\*g\*h)+(u\*\*2))  
ans=sqrt(v)  
print(**"the velocity with which the stone strike the ground is"**,ans,**"ft/s"**)

**OUTPUT**

**enter height in feet100**

**enter acc. due to gravity in ft/s\*\*232**

**enter initial velocity in ft/s0**

**the velocity with which the stone strike the ground is 80.0 ft/s**

**Process finished with exit code 0**