**Python Program for focal length of a spherical mirror**

def focal\_length\_concave(R):

return R / 2

def focal\_length\_convex(R):

return - ( R/ 2 )

R = 50

print ("Focal length of spherical concave mirror is :", focal\_length\_concave(R)," units")

print ("Focal length of spherical convex mirror is : ", focal\_length\_convex(R)," units")

