**LAB:02**

**QUESTION:02**

**PROGRAM**

**INPUT**

**from** math **import**\*  
rad=float(input(**"enter radius"**))  
w=5000  
W=((5000\*2\*pi)/60)  
v=rad\*W  
print(**"the linear velocity is"**,round(v,2))  
x=input(**"do you want to continue or not"**)  
x=**"yes"  
while**(x==**"yes"**):  
 rad = int(input(**"enter radius"**))  
 v=rad\*W  
 print(**"the linear velocity is"**,round(v,2))  
 x=input(**"do you want to continue or not"**)

**OUTPUT**

**enter radius5**

**the linear velocity is 2617.99**

**do you want to continue or notyes**

**enter radius10**

**the linear velocity is 5235.99**

**do you want to continue or notno**

**Process finished with exit code 0**