**Q. Write Algorithm and Program for performing the AND Gate functions.**

Algorithm

* Start
* Use variable **Input1**, **Input2**, **Output**
* Read **Input1**, **Input2**
* **Output** = **Input1** \* **Input2**
* Print **Output**
* Stop

Python Program

print(**":AND Gate:"**)  
Input1 = int(input(**"Enter a value (0 or 1) A : "**))  
Input2 = int(input(**"Enter a value (0 or 1) B : "**))  
Output = Input1 \* Input2  
if (Input1 in (0,1) and Input2 in (0,1)):  
 print(**"Output :"**, Output)  
else:  
 print(**"Invalid Input"**)