**Q. Write an Algorithm and Python Program for a Calculator.**

Algorithm

* Start
* Use variable **Choice**, **Number1**, **Number2**, **Result**
* Read **Choice**, **Number1**, **Number2**

Addition

Subtraction

Multiplication

Division

Power

* Stop

Python Program

print(**"1. Addition** \n**"  
 "2. Subtraction** \n**"  
 "3. Multiplication** \n**"  
 "4. Division** \n**"  
 "5. Power** \n**"  
 "6. Exit"**)  
Result = 0.0  
Choice = int(input(**"Enter the number of the operation you want to perform on the operands : "**))  
if (Choice > 0 and Choice <= 5):  
 Number1 = float(input(**"Enter the first number : "**))  
 Number2 = float(input(**"Enter the second number : "**))  
 if Choice == 1:  
 Result = Number1 + Number2  
 elif Choice == 2:  
 Result = Number1 - Number2  
 elif Choice == 3:  
 Result = Number1 \* Number2  
 elif Choice == 4:  
 Result = Number1 / Number2  
 elif Choice == 5:  
 Result = Number1 \*\* Number2  
 print(**"Result :"**, Result)  
elif Choice == 6:  
 print()  
else:  
 print(**"Invalid Input"**)