PROJECT

1-

**Algorithm:**

1. Start
2. Get input from the user for x and y
3. Store the sum of x and y in a variable sum i.e., sum=x+y
4. Display the sum to the user
5. End

**Pseudocode:**

Start

input x

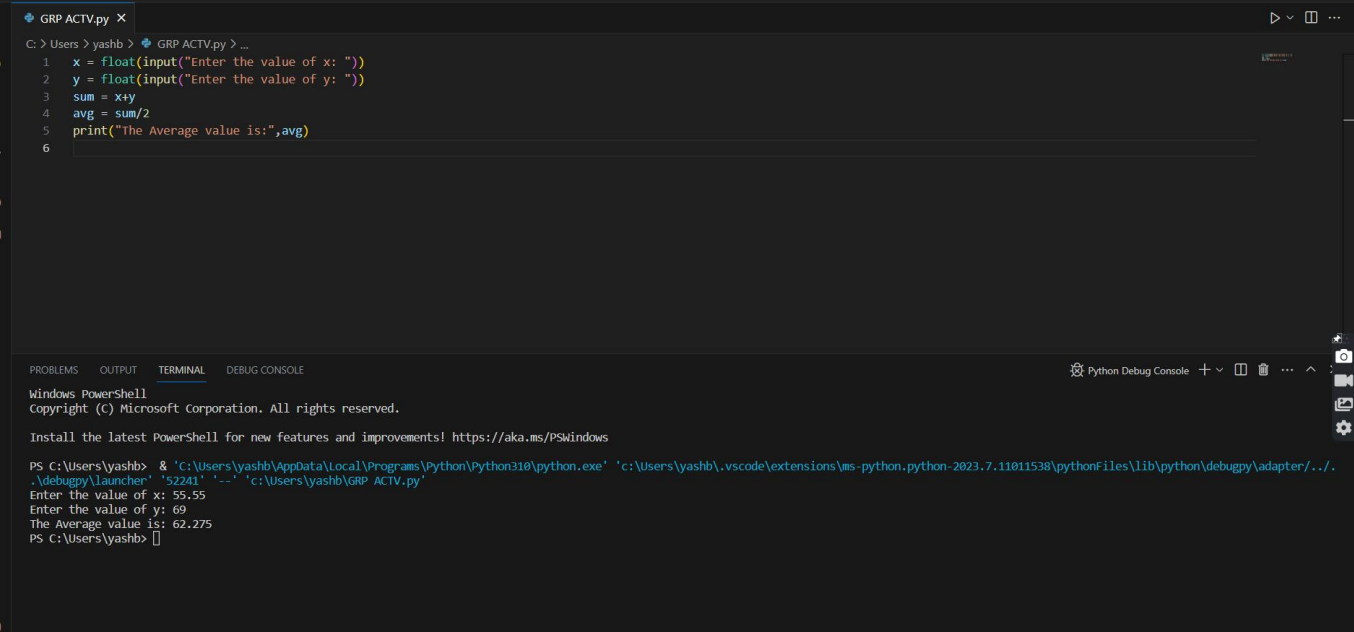
input y

sum=x+y

display sum

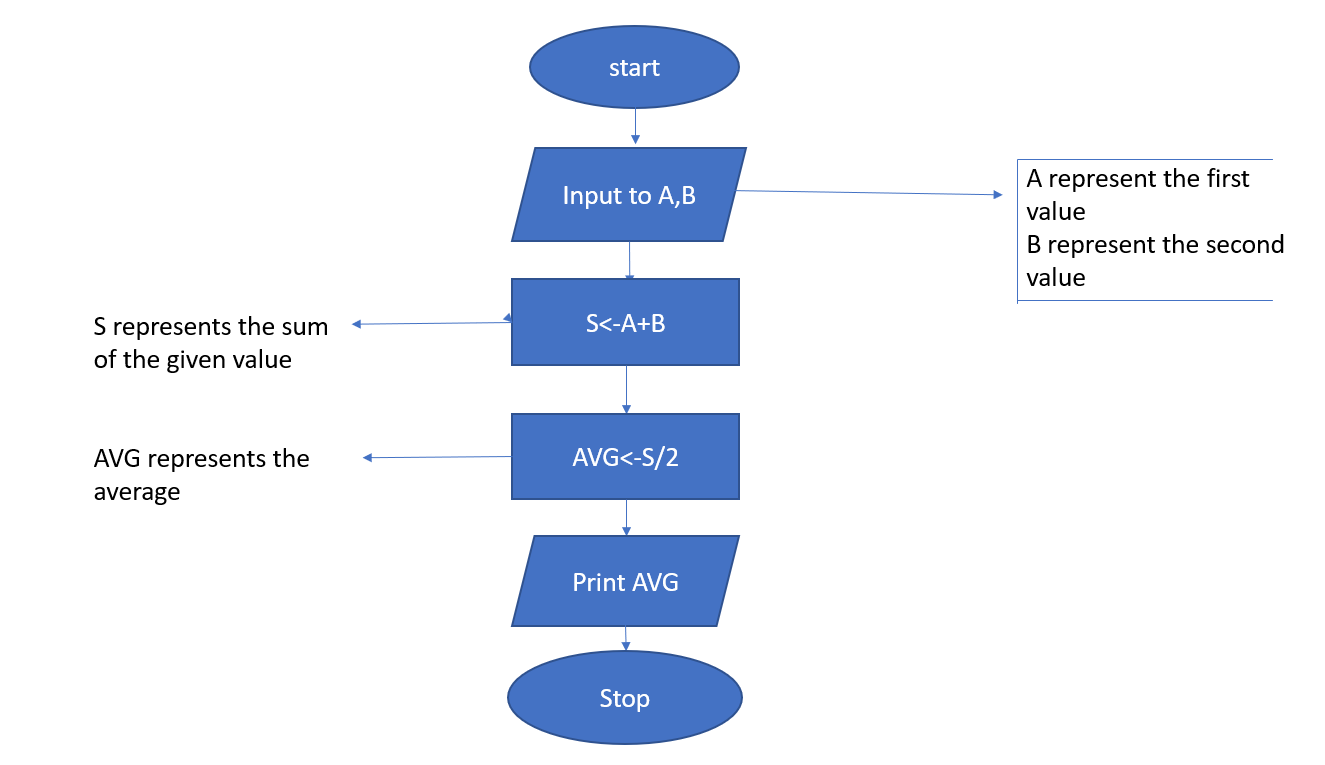
End

**Python code:**



2-

**Flowchart:**



**Pseudocode:**

Start

Input x

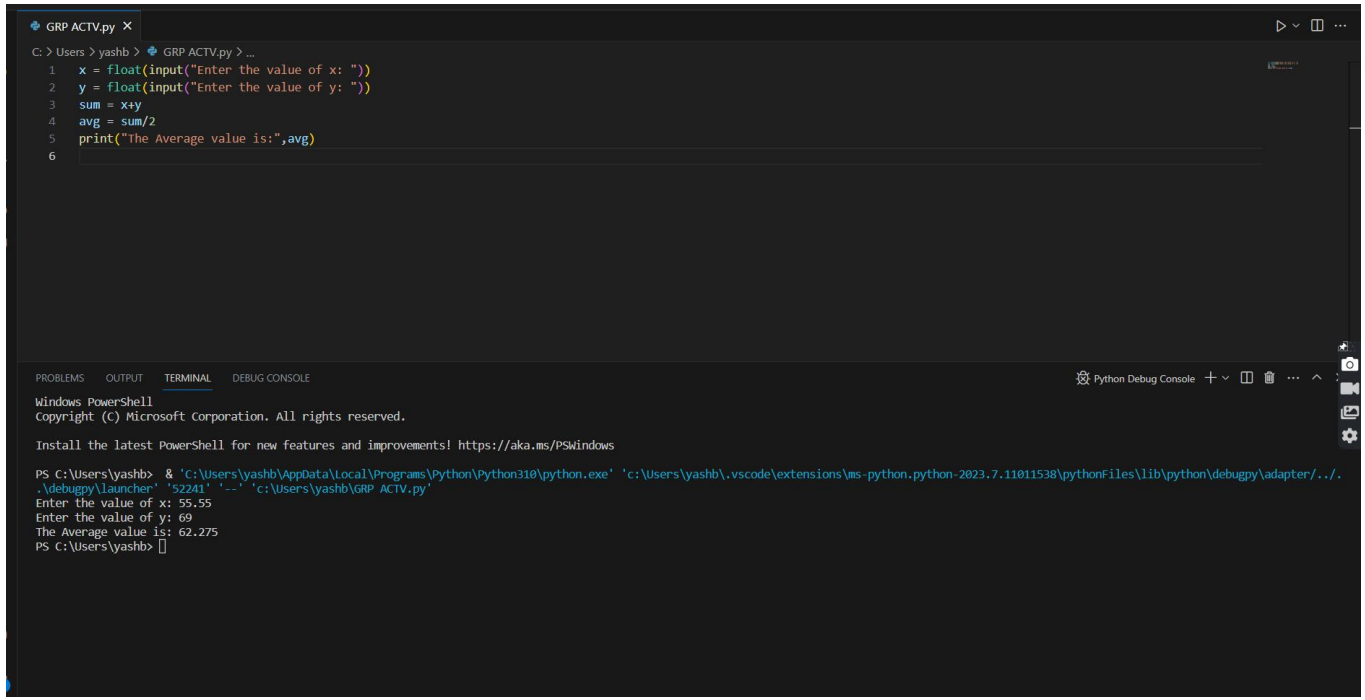
Input y

sum=x+y

Avg=sum/2

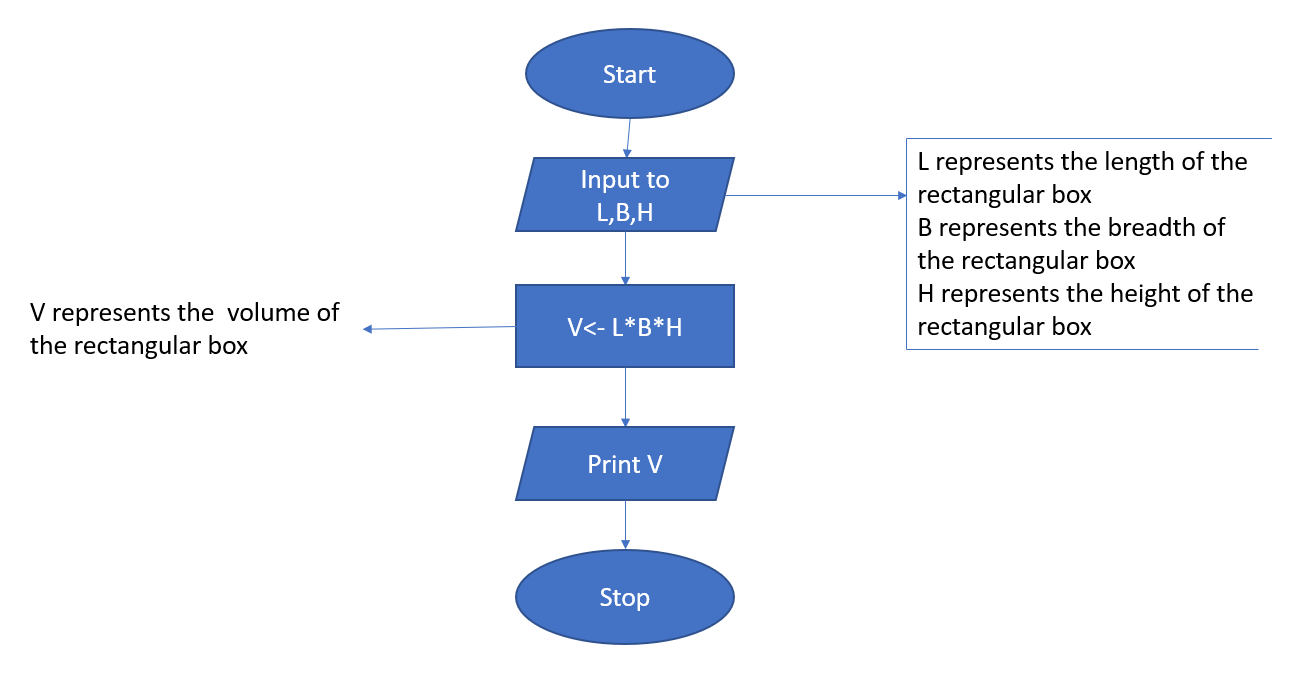
Display Avg

End

**Python code:** 

3-

**Flowchart:**



**Pseudo code:**

Start

Input length

Input breadth

Input height

volume=length\*breadth\*height

Display volume

End

**Python code:**



4-

**Algorithm:**

1. Start
2. Get the input from the user for the number of hours worked in a day and rate of pay for per hour
3. Calculate the wage by the formula, wage=hours\*rate
4. Display the total daily wage to the user.
5. End

**Pseudo code:**

Start

input hours

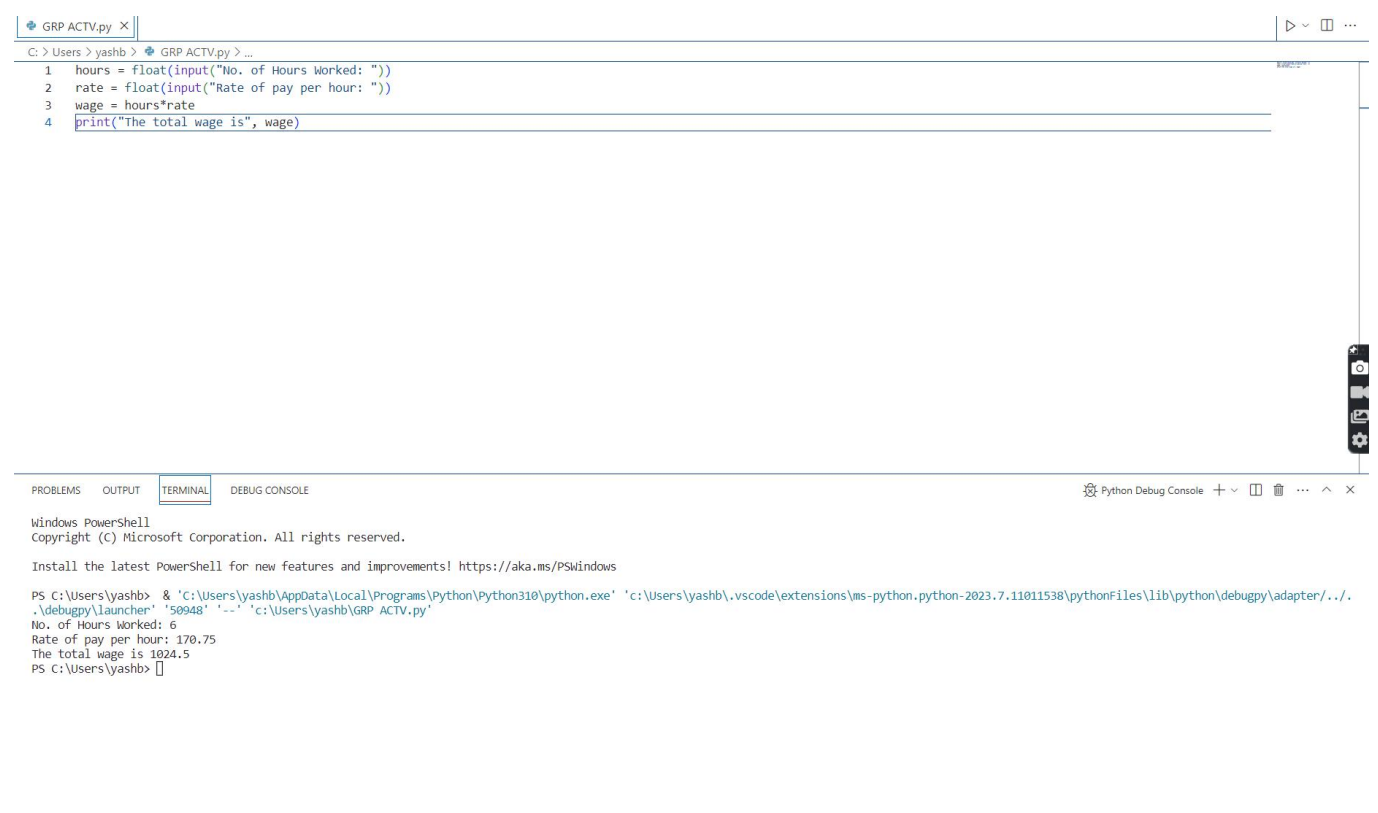
input wage

wage = hours\*rate

display wage

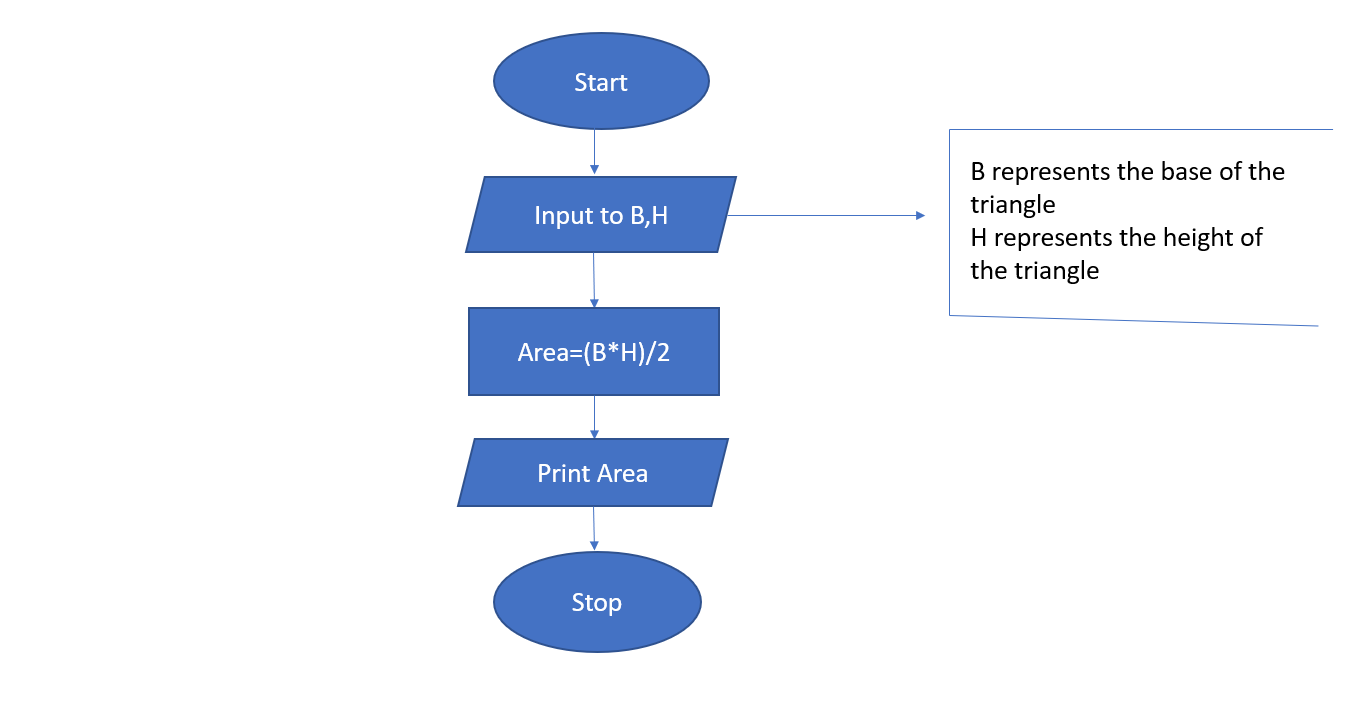
End

**Python code:**



5-

**Flowchart:**



**Algorithm:**

1. Start
2. Input base and height
3. Calculate the area the using the formula: Area=0.5\*height \*base
4. Output the calculated area
5. End

**Pseudocode:**

Start

Input base

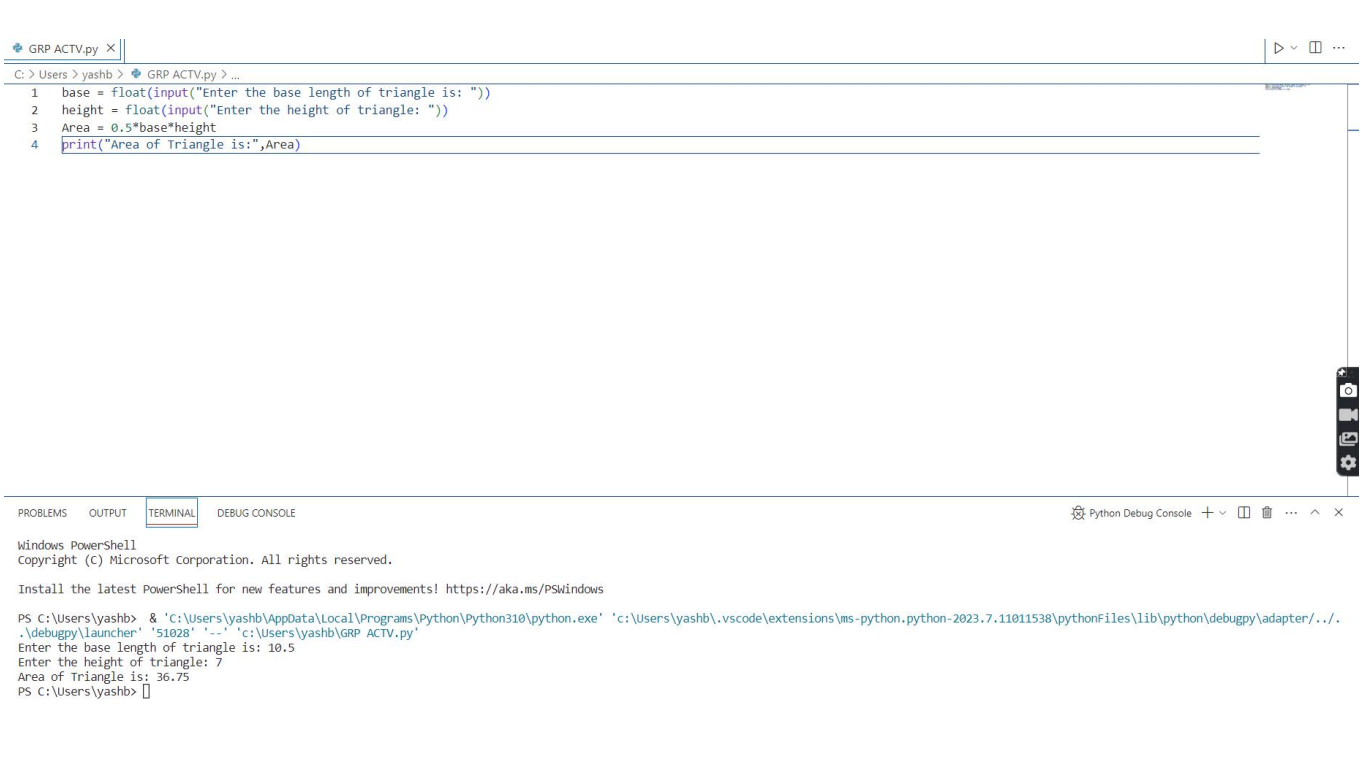
Input height

Area= 0.5\*base\*height

Output Area

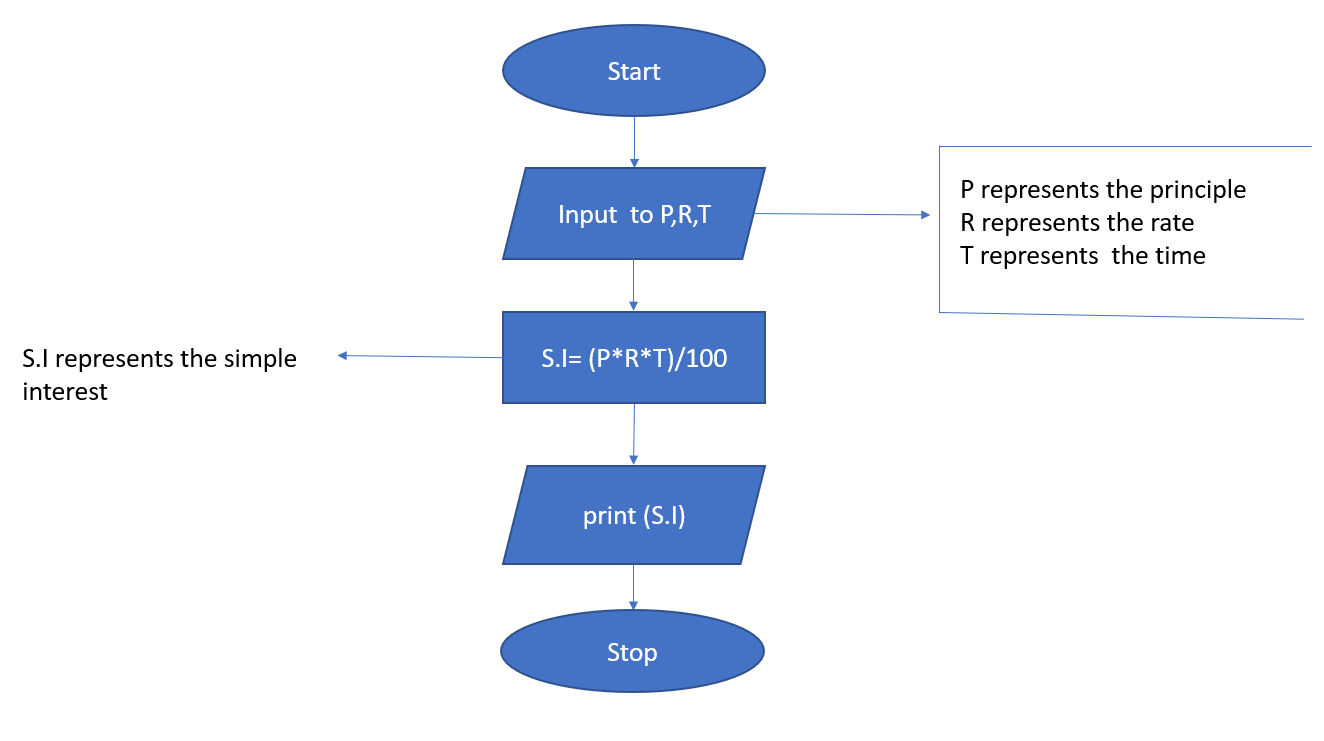
End

**Python code:**



6-

**Flowchart:**



**Algorithm:**

1. Start
2. Input the principal amount, rate of interest and time period
3. Calculate the simple interest using the formula: Simple Interest= (Principle\*Rate of Interest\*Time Period)/100
4. Display the calculated simple interest
5. Stop

**Pseudo code:**

Start

Input P

Input R

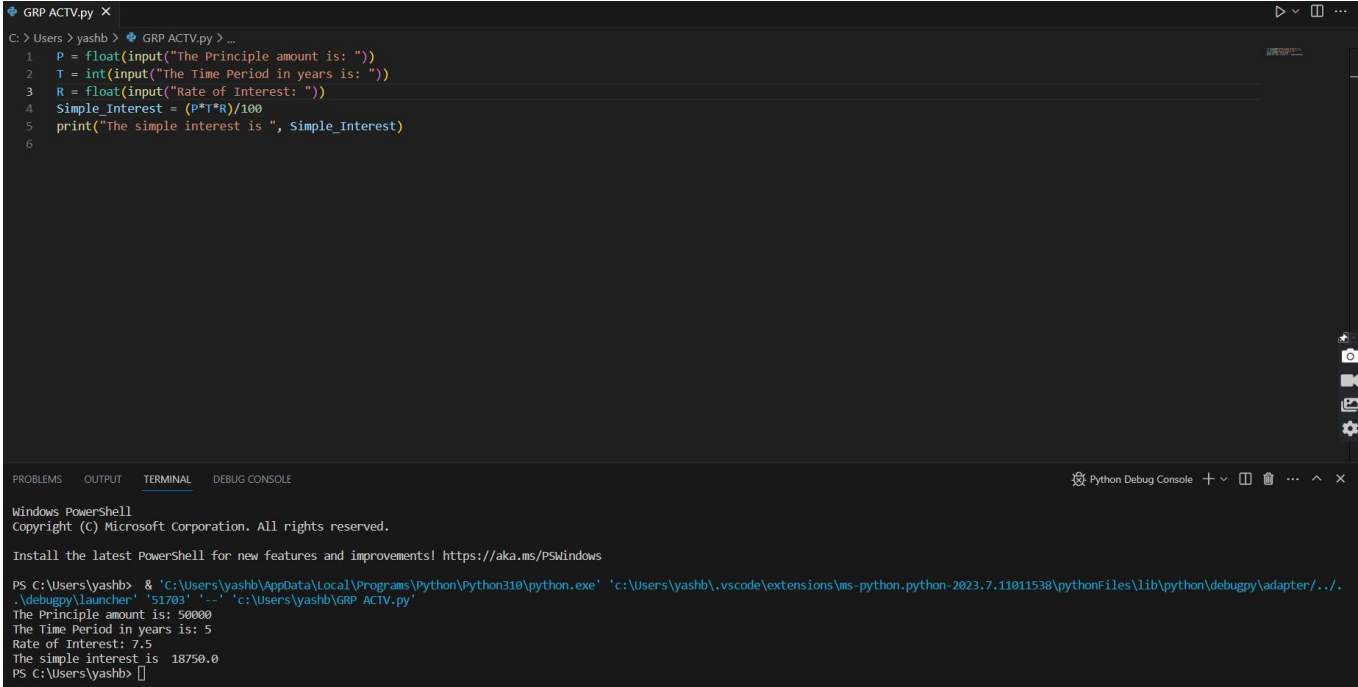
Input T

Calculate Simple\_interest = (P \* R\* T) / 100

Display Simple\_interest

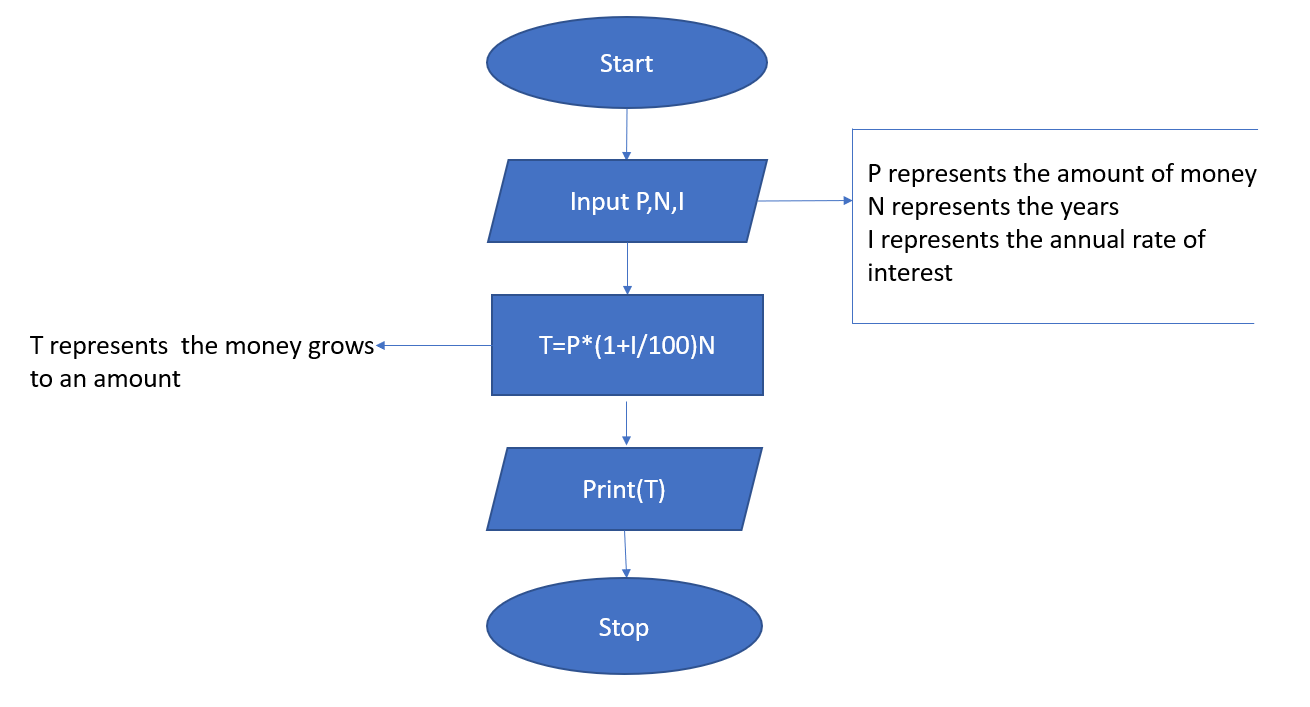
End

**Python code:**



7-

**Flowchart:**



**Algorithm:**

1. Start
2. Read the value of P
3. Read the value of N
4. Read the value of I
5. Calculate T = P \* (1 + I/100)^N
6. Display
7. End

**Pseudo code:**

Start

Read P

Read N

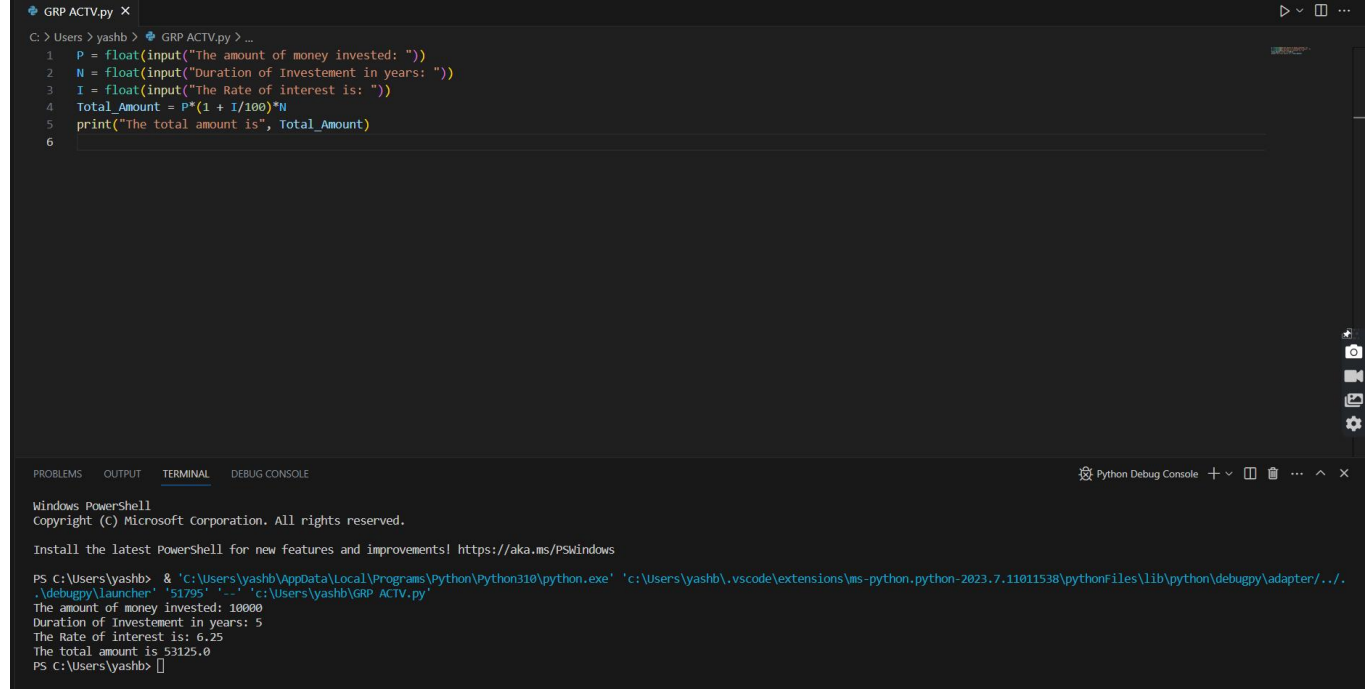
Read I

T = P \* (1 + I/100) ^ N

Display T

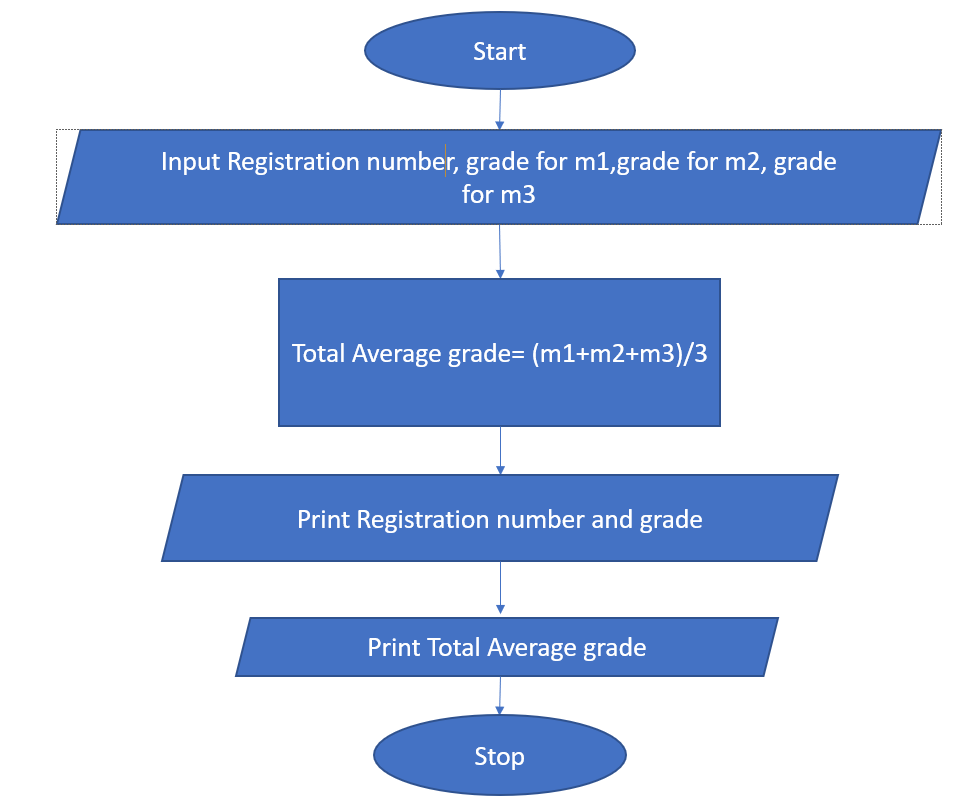
End

**Python code:**



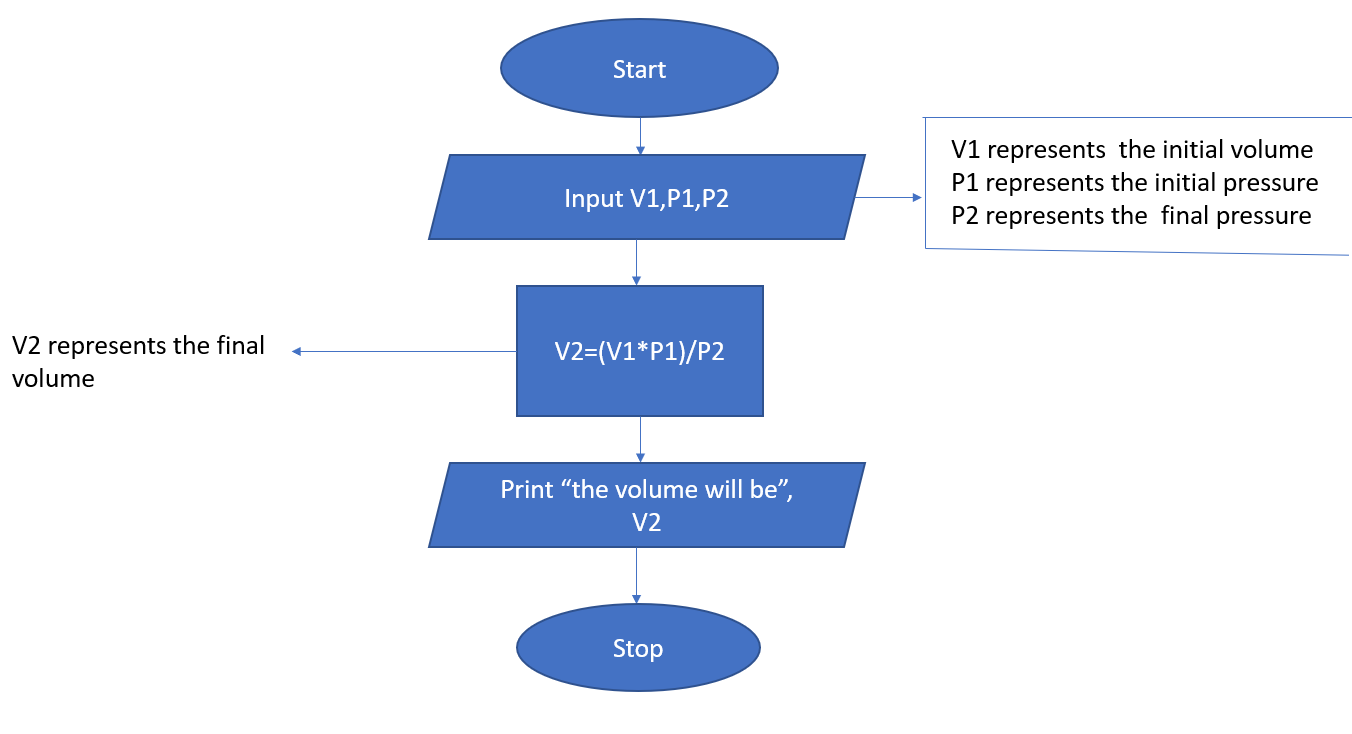
8-

**Flowchart:**



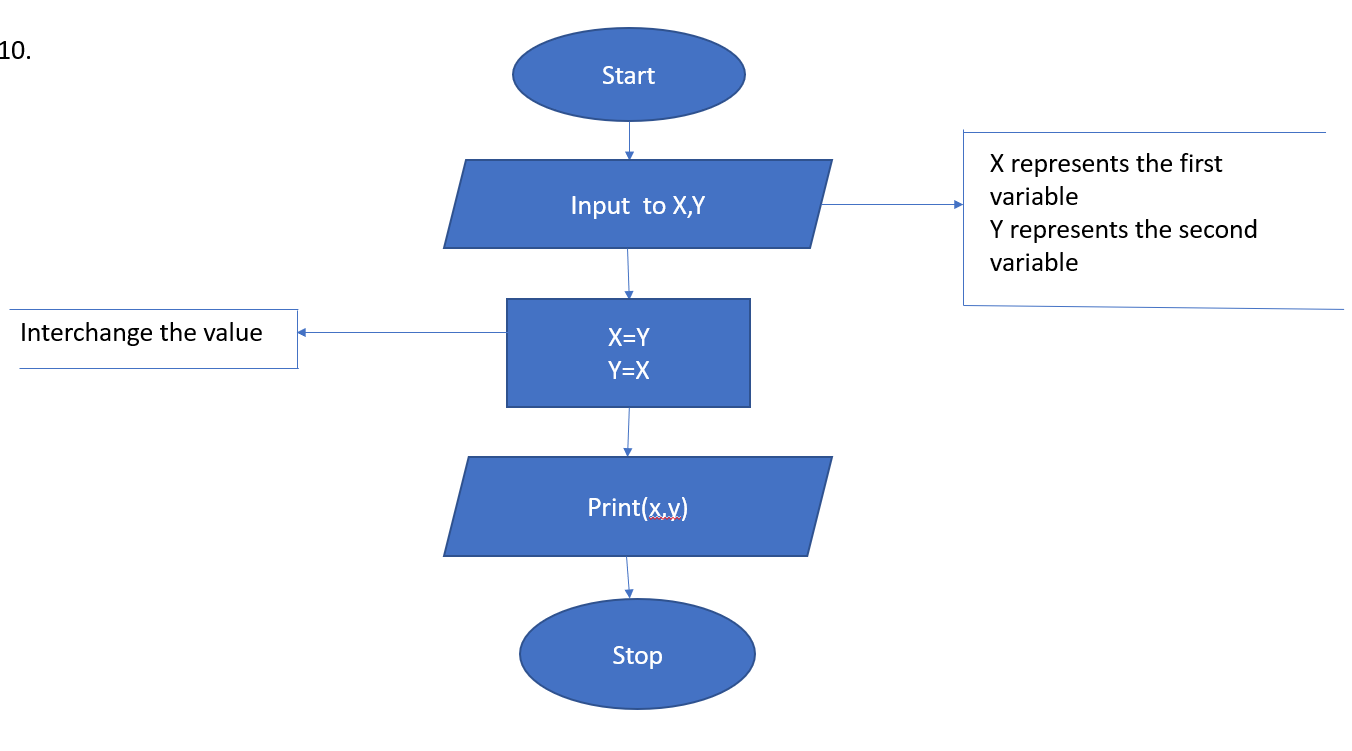
9-

**Flowchart:**



10-

**Flowchart:**



**Algorithm:**

1. Start
2. Input the values of variables x and y
3. Interchange the values of x and y by using comma operator as x,y=y,x
4. Print the new values of x and y
5. End

**Pseudo code:**

Start

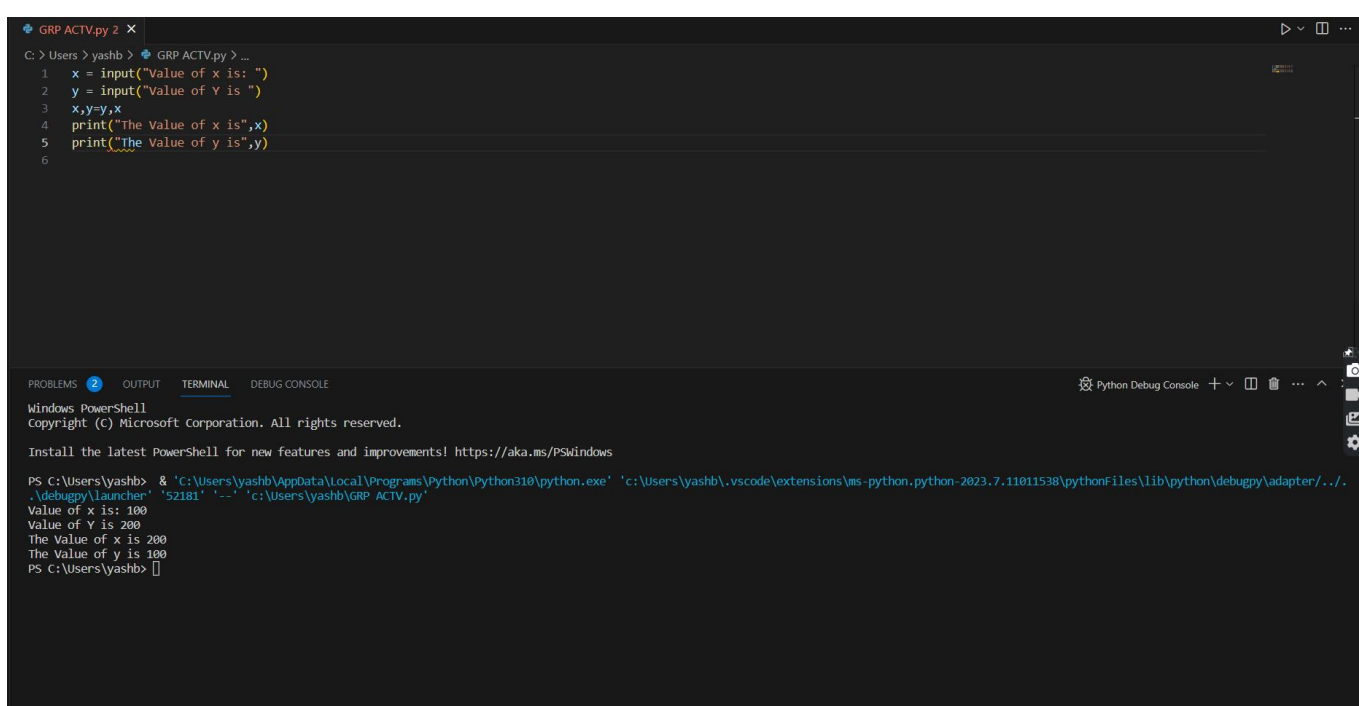
Input x,

x,y = y,x

Print x, y

End

**Python code:**



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