

Python Algorithms

1) write an algorithm to find the **average of 5 numbers**?

Step 1: Start

Step 2: Input 5 numbers a, b, c, d & e as input

Step 3: Calculate, Average = $(a+b+c+d+e) / 5$

Step 4: Print Average

Step 5: Stop

2) write an algorithm to find **simple interest**?

Step 1: Start.

Step 2: Read Principal Amount, Rate, and Time.

Step 3: Calculate, Interest using formula $SI = ((\text{amount} * \text{rate} * \text{time}) / 100)$

Step 4: Print Simple Interest.

Step 5: Stop

3) write an algorithm to **swap two numbers**?

step 1: Start

step 2: input value of a and b

step 3: temp=a

step 4: a=b

step 5: b=temp

step 6: print a and b

step 7: Stop

4) write an algorithm for the **Area of the Circle**?

Step 1: Start

Step 2: Input the values for R and pi

Step 3: Calculate area of circle = $\pi * R * R$.

Step 4: Print the value of the area of a circle.

Step 5: Stop

5) write an algorithm to calculate the **net salary** of an employee

Step 1: Start

Step 2: Input the values for Basic salary, DA, HRA & PF

Step 3: Calculate Net Salary = Basic Salary + DA + HRA – PF

Step 4: Print the value of the Net Salary

Step 5: Stop