

## C Programming – 1 (Basic)

1. Accept two numbers & print the sum of the two numbers.
2. Accept a number & print the square of the number.
3. Accept a number & print the cube of the number.
4. Accept the length and breadth of rectangle and calculate area.  
(area = l \* b)
5. Accept the length and height of triangle and calculate area.  
(area = 0.5 \* l \* h)
6. Accept the radius of circle & calculate:  
(area = pi \* r \* r) & circumference  
(circumference = 2 \* pi \* r)
7. Accept two numbers from user & interchange them (swapping).
  - I) Using third variable temp
  - II) Without using third variable
8. Accept the 5 subject marks from users and calculate the total mark and percentage and display it.
9. Accept rollno, name, marks of English, Hindi, Marathi & calculate the following: Total marks, percentage & print all the details of student.
10. Accept id, name & basic salary of an employee & calculate the DA, HRA, TA, gross salary, ITax, net salary.  
DA = basic salary \* 5%  
HRA = basic salary \* 12%  
TA = basic salary \* 8%  
Gross salary = basic salary + HRA + DA + TA  
ITax = basic salary \* 10%  
Net salary = gross salary - ITax