RAYS *Computer Education*

[A Unit of Rays Edutech Pvt. Ltd.]

"Feel the Sensation of your Destination"

BY- Rahul Singh

VisitUs :- www.raysonline.in

Cont No:- +91- 7091599160

0612 - 2321928

2nd Floor, Anam Plaza, Salimpur Ahra, South East Gandhi Maidan, Patna - 1

Applications Based on Operators

1. Wap in "C" language to accept two numbers from keyboard and display the sum, product and average of the given numbers in the following sequence and format: -

   Both numbers   **::**
   Sum   **::**
   Product   **::**
   Average   **::**

2. Wap in "C" language to accept from keyboard basic, da , and hra. Calculate total and display it same.

3. Wap in "C" to accept from keyboard total amount and currency type and find out total no. of note in the specified currency.

4. Wap in "C" language to accept student registration number and marks obtained in physics, chemistry, and math papers. Each paper is of maximum 100 marks. Calculate and display the result in the following sequence and format: -

   ```
   =======================================
   Registration No.            ::
   =======================================
   Marks Obtained in PHY       ::
   Marks Obtained in CHE       ::
   Marks Obtained in MATH      ::
   =======================================
   Total Marks Obtained        ::
   =======================================
   Aggregate                   ::
   =======================================
   ```

5. Wap in "C" language to accept item code, unit price and quantity taken. Calculate and print the bill in the following sequence and format, as 20% discount available on all items.

   ```
   =======================================
   Item Code                   ::
   =======================================
   Unit Price in Rs.           ::
   Quantity Taken              ::
   =======================================
   Total Amount in             ::
   Discount Amount             ::
   =======================================
   Net Payable Amount          ::
   ```

RAYS *Computer Education*

[A Unit of Rays Edutech Pvt. Ltd.]

"Feel the Sensation of your Destination"

BY- Rahul Singh

2nd Floor, Anam Plaza, Salimpur Ahra, South East Gandhi Maidan, Patna - 1

VisitUs :- www.raysonline.in

Cont No:- +91- 7091599160

0612 - 2321928

6. Wap in "C" language to accept five digit no. calculate the sum of the digits of a given number and display the same on the screen.

7. Wap in "C" language to accept any five-digit number and print its reverse.

8. Wap in "C" language to swap two numbers using third variable.

9. Wap in "C" language to swap two numbers without taking third variable.

10. Wap in "C" language to convert kilometers into meters.

11. Wap in "C" language to accept temperature of city in forenheit degree then Convert this temperature into centigrade degrees. [Hint: c/100=(f-32)/180]

12. Wap in "C" language **to accept employee number** and **basic salary. Calculate** dearness allowance and house rent allowance @ 10% and 15% of basic salary and **display** the salary details as income tax is to be deducted @ 11% of gross salary.

13. Wap in "C" language to **accept** the radius of a circle and **calculate** the circumference and area of the circle and also **display** the same on the screen.

14. Wap in "C" language to **accept** the length and width of a rectangle and **calculate** its perimeter and area. **Display** the same on the screen.

15. Wap in "C" language to accept an integer value of five-digits, calculate and display the requirements as given below: -

First Line	:	**<All Digits>**
Second Line	:	**<All Except First Digit>**
Third Line	:	**<All Except First Two Digits>**
………………………………………………………………		
………………………………………………………………		
Last Line	:	**<The Last Digit>**

16. Wap in "C" language to accept seven digit numbers and find out sum of the first and last digit of this number.

17. Wap in "C" language to calculate the real roots of a quadratic equation of type: -
$$ax^2+bx+c=0, \text{ where } a!=0$$

18. If a five digit no. is input through the keyboard , write a program to print a new number by adding one to each of its digit.