

WAP to print your name, date of birth, and mobile number.

PROGRAM:-

```
#include<stdio.h>
int main()
{
    printf("Name: Raj Jain\n");
    printf("DOB: Jun 20 2025\n ");
    printf("Mobile: +91-8919894624");
}
```

C:\vishnu\10.exe

```
Name: Raj Jain
DOB: Jun 20 2025
Mobile: +91-8919894624
-----
```

WAP to read price of Iphone & cover case and calculate total bill

PROGRAM :-

```
1  #include<stdio.h>
2  int main()
3  {
4      float iPhonePrice, coverPrice, total;
5      printf("Enter the price of iPhone: ");
6      scanf("%f", &iPhonePrice);
7      printf("Enter the price of Cover Case: ");
8      scanf("%f", &coverPrice);
9      total = iPhonePrice + coverPrice;
10     printf("Total Bill Amount: %.2f\n", total);
11 }
```

C:\Users\tally\Documents\10.exe

```
Enter the price of iPhone: 5000
Enter the price of Cover Case: 1500.23
Total Bill Amount: 6500.23
```

```
-----
Process exited after 14.92 seconds with return value 27
Press any key to continue . . .
```

WAP a program that reads the bill amount and the amount paid by the customer, and then display the balance amount to be returned to the customer?

PROGRAM:-

```
1  #include<stdio.h>
2  int main()
3  {
4      int billAmount, amountPaid, balance;
5      printf("Enter the Total Bill Amount: ");
6      scanf("%d", &billAmount);
7      printf("Enter the amount paid by the customer: ");
8      scanf("%d", &amountPaid);
9      balance = amountPaid - billAmount;
10     printf("Balance amount to be returned is: Rs. %d/-\n", balance);
11 }
12
```

C:\Users\tally\Documents\10.exe

```
Enter the Total Bill Amount: 1895
Enter the amount paid by the customer: 2000
Balance amount to be returned is: Rs. 105/-
```

```
-----
Process exited after 15.93 seconds with return value 44
Press any key to continue . . .
```

WAP to red marks of 5 subjects English, Sanskrit, math's, physics & chemistry, calculate total & average

PROGRAM:-

```
#include<stdio.h>
int main()
{
    int eng, sans, math, phy, chem, total;
    float average;
    printf("Enter marks of English: ");
    scanf("%d", &eng);
    printf("Enter marks of Sanskrit: ");
    scanf("%d", &sans);
    printf("Enter marks of Maths: ");
    scanf("%d", &math);
    printf("Enter marks of Physics: ");
    scanf("%d", &phy);
    printf("Enter marks of Chemistry: ");
    scanf("%d", &chem);
    total = eng + sans + math + phy + chem;
    average = total / 5.0;
    printf("Total Marks: %d\n", total);
    printf("Average Marks: %.2f\n", average);
}
```

```
C:\Users\tally\Documents\10.exe
Enter marks of English: 90
Enter marks of Sanskrit: 99
Enter marks of Maths: 75
Enter marks of Physics: 60
Enter marks of Chemistry: 60
Total Marks: 384
Average Marks: 76.80
-----
```

WAP to read basics salary of an employee and display gross salary and net salary from the following information

PROGRAM:-

```
#include<stdio.h>
int main()
{
    float basic, hra, da, pf, gross, net;
    printf("Enter Basic Salary: ");
    scanf("%f", &basic);
    hra = 0.20 * basic;
    da = 0.10 * basic;
    pf = 0.05 * basic;
    gross = basic + hra + da;
    net = gross - pf;
    printf("Gross Salary: %.2f\n", gross);
    printf("Net Salary: %.2f\n", net);
}
```

C:\Users\tally\Documents\10.exe

```
Enter Basic Salary: 80000
Gross Salary: 104000.00
Net Salary: 100000.00
-----
```

WAP to program to swap values of two variables A and B without using 3rd variable

PROGRAM:-

```
#include<stdio.h>
int main()
{
    int a, b;
    printf("Enter value of A: ");
    scanf("%d", &a);
    printf("Enter value of B: ");
    scanf("%d", &b);
    a = a + b;
    b = a - b;
    a = a - b;
    printf("After swapping, A = %d and B = %d\n", a, b);
}
```

C:\Users\tally\Documents\10.exe

```
Enter value of A: 5
Enter value of B: 10
After swapping, A = 10 and B = 5
-----
```

WAP to read total flying time from Hyderabad to Singapore in minutes and display into hours and minutes

PROGRAM:-

```
#include<stdio.h>
int main()
{
    int totalMinutes, hours, minutes;
    printf("Enter Flying time from Hyderabad to Singapore in minutes: ");
    scanf("%d", &totalMinutes);
    hours = totalMinutes / 60;
    minutes = totalMinutes % 60;
    printf("Flying time from Hyderabad to Singapore is %d hrs and %d minutes.\n", hours, minutes);
}
```

//output:-

C:\vishnu\10.exe

Enter Flying time from Hyderabad to Singapore in minutes: 135
Flying time from Hyderabad to Singapore is 2 hrs and 15 minutes.

WAP to read days from user and convert it into years ,month ,weeks and days

PROGRAM:-

```
#include<stdio.h>
int main() {
    int days, years, months, weeks;
    printf("Enter No of Days: ");
    scanf("%d", &days);
    years = days / 365;
    days = days % 365;
    months = days / 30;
    days = days % 30;
    weeks = days / 7;
    days = days % 7;
    printf("Years: %d\n", years);
    printf("Months: %d\n", months);
    printf("Weeks: %d\n", weeks);
    printf("Days: %d\n", days);
}
```

//output:-

C:\vishnu\10.exe

```
Enter No of Days: 500
Years: 1
Months: 4
Weeks: 2
Days: 1
-----
```


WAP to read 3 character from the and display them in reverse order

PROGRAM:-

```
#include<stdio.h>
int main() {
    char a, b, c;
    printf("Enter 3 characters of your choice: ");
    scanf(" %c %c %c", &a, &b, &c);
    printf("Reverse of %c %c %c is %c %c %c\n", a, b, c, c, b, a);
}
```

//output:-

C:\vishnu\10.exe

```
Enter 3 characters of your choice: A
B
C
Reverse of A B C is C B A
-----
```

WAP to read full name, gender and native place of a person and display.

PROGRAM:-

```
#include <stdio.h>
int main() {
    char name[50], gender, place[50];
    printf("Enter your Full Name: ");
    scanf("%[^\\n]", name);
    printf("Enter your Gender (M/F): ");
    scanf("%c", &gender);
    printf("Enter your Native Place: ");
    scanf("%s", place);
    printf("%s - %c - %s\\n", name, gender, place);
}
```

//output:-

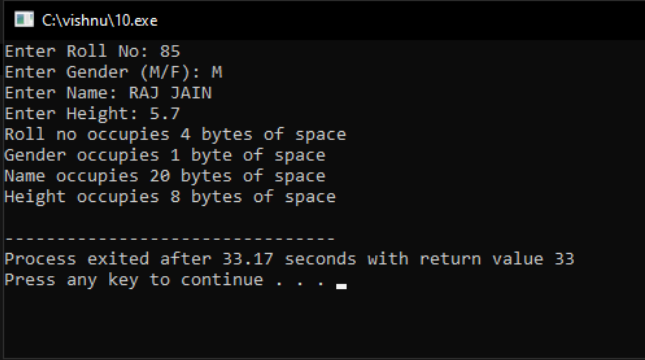
■ C:\vishnu\10.exe

```
Enter your Full Name: Raj Jain
Enter your Gender (M/F): M
Enter your Native Place: Rajasthan
Raj Jain - M - Rajasthan
```

WAP to read Roll no., Name, Gender & Height of a person
display how many bytes of memory each variable occupies

PROGRAM:-

```
#include <stdio.h>
#include <string.h>
int main() { //OUTPUT:-
    int rollNo;
    char gender;
    char name[20];
    double height;
    printf("Enter Roll No: ");
    scanf("%d", &rollNo);
    printf("Enter Gender (M/F): ");
    scanf(" %c", &gender);
    printf("Enter Name: ");
    scanf("%[^\n]", name);
    printf("Enter Height: ");
    scanf("%lf", &height);
    printf("Roll no occupies %lu bytes of space\n", sizeof(rollNo));
    printf("Gender occupies %lu byte of space\n", sizeof(gender));
    printf("Name occupies %lu bytes of space\n", sizeof(name));
    printf("Height occupies %lu bytes of space\n", sizeof(height));
}
```



```
C:\wshnu\10.exe
Enter Roll No: 85
Enter Gender (M/F): M
Enter Name: RAJ JAIN
Enter Height: 5.7
Roll no occupies 4 bytes of space
Gender occupies 1 byte of space
Name occupies 20 bytes of space
Height occupies 8 bytes of space
-----
Process exited after 33.17 seconds with return value 33
Press any key to continue . . .
```

WAP to read capital alphabets from the user and display in lower case

PROGRAM:-

```
#include<stdio.h>
int main()
{
    char ch;
    printf("Enter any Upper-case Alphabet from A to Z: ");
    scanf("%c", &ch);
    printf("Lower case form of %c is %c\n", ch, ch + 32);
}
```

Select C:\vishnu\10.exe

Enter any Upper-case Alphabet from A to Z: D
Lower case form of D is d

WAP to read the temperature in Fahrenheit and convert into centigrade

PROGRAM:-

```
#include<stdio.h>
int main() {
    float f, c;
    printf("Enter temperature in Fahrenheit: ");
    scanf("%f", &f);
    c = (f - 32) * 5 / 9;
    printf("Temperature in Centigrade: %.2f\n", c);
}
```

//OUTPUT:-

■ C:\vishnu\10.exe

Enter temperature in Fahrenheit: 32
Temperature in Centigrade: 0.00

WAP to read rupees and convert into paise

PROGRAM:-

```
#include<stdio.h>

int main() {
    float rupees;
    int paise;
    printf("Enter amount in Rupees: ");
    scanf("%f", &rupees);
    paise = rupees * 100;
    printf("Amount in Paise: %d\n", paise);
}
```

//OUTPUT:-

C:\vishnu\10.exe

Enter amount in Rupees: 56

Amount in Paise: 5600

WAP to evaluate $(a+b)^2$

PROGRAM:-

```
#include<stdio.h>
int main() {
    int a, b, result;
    printf("Enter two numbers a and b: ");
    scanf("%d%d", &a, &b);
    result = (a + b) * (a + b);
    printf("(a + b)^2 = %d\n", result);
}
```

//OUTPUT:-

C:\vishnu\10.exe

Enter two numbers a and b: 1

2

(a + b)^2 = 9

WAP to read radius of a circle and calculate area

NOTE: PI value should be declared as const variable

PROGRAM:-

```
#include<stdio.h>

int main() {
    const float PI = 3.14;
    float radius, area;
    printf("Enter the radius of the circle: ");
    scanf("%f", &radius);
    area = PI * radius * radius;
    printf("Area of the circle: %.2f\n", area);
}
```

//OUTPUT :-

C:\vishnu\10.exe

Enter the radius of the circle: 25
Area of the circle: 1962.50

MR. Rao is an employee, write a c program to calculate gross salary and net salary from the input basic salary , allowances and deductions.

PROGRAM:-

```
#include<stdio.h>
int main() {
    float basic, allowances, deductions, gross, net;

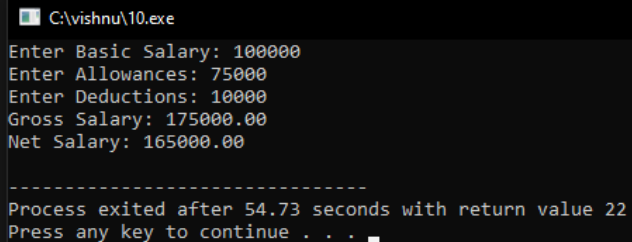
    printf("Enter Basic Salary: ");
    scanf("%f", &basic);

    printf("Enter Allowances: ");
    scanf("%f", &allowances);

    printf("Enter Deductions: ");
    scanf("%f", &deductions);

    gross = basic + allowances;
    net = gross - deductions;

    printf("Gross Salary: %.2f\n", gross);
    printf("Net Salary: %.2f\n", net);
}
```



```
C:\vishnu\10.exe
Enter Basic Salary: 100000
Enter Allowances: 75000
Enter Deductions: 10000
Gross Salary: 175000.00
Net Salary: 165000.00
-----
Process exited after 54.73 seconds with return value 22
Press any key to continue . . .
```

WAP to calculate electricity from the inputted present month and last month reading

NOTE: RATE PER UNIT IS: 7.85/-

PROGRAM:-

```
#include<stdio.h>
int main() {
    int presentReading, lastReading, units;
    float billAmount, ratePerUnit = 7.85;

    printf("Enter Present Month Reading: ");
    scanf("%d", &presentReading);

    printf("Enter Last Month Reading: ");
    scanf("%d", &lastReading);

    units = presentReading - lastReading;
    billAmount = units * ratePerUnit;

    printf("Total Units Consumed: %d\n", units);
    printf("Electricity Bill: %.2f\n", billAmount);
}
```

//OUTPUT:-

C:\vishnu\10.exe

Enter Present Month Reading: 5000
Enter Last Month Reading: 2680
Total Units Consumed: 2320
Electricity Bill: 18212.00

Process exited after 15.69 seconds with return value 28
Press any key to continue . . .

WAP to display the following in the center of the screen

AH CAREER PVT LTD

Danavaipeta

Rajahmundry

PROGRAM:-

```
#include<stdio.h>
int main() {
    printf("\n\n\n\n\t\t\tAH CAREER PVT LTD\n");
    printf("\t\t\tDanavaipeth\n");
    printf("\t\t\tRajahmundry\n");
}
```

C:\vishnu\10.exe

AH CAREER PVT LTD
Danavaipeth
Rajahmundry

A bus travels from point A to point B everyday, write a program to read total travelling in kilo meters and display into meters.

PROGRAM:-

```
#include<stdio.h>
int main() {
    float km, meters;
    printf("Enter distance in Kilometers: ");
    scanf("%f", &km);
    meters = km * 1000;
    printf("Distance in Meters: %.2f\n", meters);
}
```

C:\vishnu\10.exe

```
Enter distance in Kilometers: 376
Distance in Meters: 376000.00
-----
```

Groups of friends went to a restaurant , you must help those friends to split the total bill along with the TIP among them

NOTE : TIP IS %5 OR %10 OF BILL AMOUNT.

PROGRAM:-

```
#include<stdio.h>
int main() {
    float billAmount, tipPercent, tipAmount, totalBill;
    printf("Enter Total Bill Amount: ");
    scanf("%f", &billAmount);
    printf("Enter the TIP (5 for 5% or 10 for 10%): ");
    scanf("%f", &tipPercent);
    tipAmount = (tipPercent / 100) * billAmount;
    totalBill = billAmount + tipAmount;
    printf("TIP Amount: %.2f\n", tipAmount);
    printf("Total Bill with TIP: %.2f\n", totalBill);
}
```

C:\vishnu\10.exe

```
Enter Total Bill Amount: 2500
Enter the TIP (5 for 5% or 10 for 10%): 10
TIP Amount: 250.00
Total Bill with TIP: 2750.00
-----
```