Assignment - 01

1. Write a C program to print your name, date of birth. and mobile number.

Expected Output:

Name : John
DOB : August 15, 1947
Mobile : 91-9999999999

2. Write a C program to read and display all type of variables.

Expected Output:
123
34.67
A

3. Write a C program that accepts an employee's ID, total worked hours of a month and the amount he received per hour. Print the employee's ID and salary (with two decimal places) of a particular month.

Test Data :
Input the Employees ID:0342
Input the working hrs: 8
Salary amount/hr: 15000
Expected Output:
Employees ID = 0342
Salary = 120000.00

4. Write a C program that calculates the volume of a sphere. (Formula : V = 4/3*π*r*r*r)

Expected Output :
Input the radius of the sphere : 2.56
The volume of sphere is 70.276237.

5. Write a C program that converts kilometers per hour to miles per hour. (1 KM = 0.621371 M)

Expected Output :
Input kilometers per hour: 15
9.320568 miles per hour

6. Write a program in C that takes minutes as input, and display the total number of hours and minutes.

Expected Output :
Input minutes: 546
9 Hours, 6 Minutes

7. Write a C program to find the third angle of a triangle if two angles are given.

Expected Output :
Input two angles of triangle separated by comma : 50,70
Third angle of the triangle : 60

8. Write a C program to convert specified days into years, weeks and days.

Note: Ignore leap year.

Test Data :
Number of days : 1329
Expected Output :
Years: 3
Weeks: 33
Days: 3

9. Write a C program to read an amount (integer value) and break the amount into smallest possible number of bank notes.

Note: The possible banknotes are 100, 50, 20, 10, 5, 2 and 1.

Test Data :
Input the amount: 375
Expected Output:
There are:
3 Note(s) of 100.00
1 Note(s) of 50.00
1 Note(s) of 20.00
0 Note(s) of 10.00
1 Note(s) of 5.00
0 Note(s) of 2.00
0 Note(s) of 1.00

10. Write a C program to convert a given integer (in seconds) to hours, minutes and seconds.

Test Data :
Input seconds: 25300
Expected Output:
There are:
H:M:S - 7:1:40