```
1    #include<stdio.h>
2    int main()
3    {
4        int year, week, days1, days2;
5        printf("Enter days: ");
6        scanf("%d", &days1);
7        year=days1/365;
8        week=(days1%365)/7;
9        days2=(days1%365)%7;
10       printf("%d days = %d year/s, %d week/s and %d day/s\n", days1, year, week, days2);
11       return 0;
12   }
13
```

Ans to the ques no - 1

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Section: 2C
Batch: CSE - 51

Select "C:\Users\pc\Documents\Assignments\Problem No. 1.exe"   — □ X

```
Enter days: 373
373 days = 1 year/s, 1 week/s and 1 day/s

Process returned 0 (0x0)   execution time : 5.734 s
Press any key to continue.
```

Logs & o

a++ messages X   Cscope X

File

s\Problem

Read/Write   defa

Ans to the ques no - 2

```c
#include<stdio.h>
int main()
{
    int i, subjects[5], total=0;
    float average, percentage;
    printf("Enter marks of five subjects: ");
    for(i=0; i<5; i++)
    {
        scanf("%d", &subjects[i]);
    }
    for(i=0; i<5; i++)
    {
        total=total+subjects[i];
    }
    average=total/5;
    percentage=total*100/500;
    printf("Total = %d\nAverage = %.2f\nPercentage = %.2f\n", total, average, percentage);
    return 0;
}
```

```
Select "C:\Users\pc\Documents\Assignments\Problem No. 2.exe"          —    □    ✕

Enter marks of five subjects: 95 76 85 90 89
Total = 435
Average = 87.00
Percentage = 87.00

Process returned 0 (0x0)   execution time : 19.086 s
Press any key to continue.
```

Ans to the ques no - 3

```c
#include<stdio.h>
int main()
{
    int amount, rs_500, rs_100, rs_50, rs_20, rs_10, rs_5, rs_2, rs_1;
    printf("Input amount: ");
    scanf("%d", &amount);
    rs_500=amount/500;
    rs_100=(amount%500)/100;
    rs_50=((amount%500)%100)/50;
    rs_20=(((amount%500)%100)%50)/20;
    rs_10=((((amount%500)%100)%50)%20)/10;
    rs_5=(((((amount%500)%100)%50)%20)%10)/5;
    rs_2=((((((amount%500)%100)%50)%20)%10)%5)/2;
    rs_1=((((((amount%500)%100)%50)%20)%10)%5)%2;
    printf("Total number of notes:\n500: %d\n100: %d\n50: %d\n20: %d\n10: %d\n5: %d\n2: %d\n1: %d\n", rs_500, rs_100, rs_50, rs_20, rs_10, rs_5, rs_2, rs_1);
    return 0;
}
```

```
"C:\Users\pc\Documents\Assignments\Problem No. 3.exe"

Input amount: 575
Total number of notes:
500: 1
100: 0
50: 1
20: 1
10: 0
5: 1
2: 0
1: 0

Process returned 0 (0x0)   execution time : 9.515 s
Press any key to continue.
```

Logs & others

Code::Block

File

Fortran info ✕   Clc

C:\Users\pc\Docum

Ans to the ques no - 4

```c
#include<stdio.h>
int main()
{
    int a, b, c, d;
    float Root1, Root2;
    printf("Input a: ");
    scanf("%d", &a);
    printf("Input b: ");
    scanf("%d", &b);
    printf("Input c: ");
    scanf("%d", &c);
    d=(b*b)-(4*a*c);
    if(d<0)
    {
        printf("Math ERROR\n");
    }
    else
    {
    Root1=(-b+sqrt(d))/(2*a);
    Root2=(-b-sqrt(d))/(2*a);
    printf("Root1: %.2f\nRoot2: %.2f\n", Root1, Root2);
    }
    return 0;
}
```

```
"C:\Users\pc\Documents\Assignments\Problem No. 4.exe"              —  □  ✕

Input a: 8
Input b: -4
Input c: -2
Root1: 0.81
Root2: -0.31

Process returned 0 (0x0)   execution time : 20.813 s
Press any key to continue.
```

Logs & others

Code::Blocks

Problem No. 4.c

Ans to the ques no - 5

```c
#include<stdio.h>
int main()
{
    float basic, gross, da, hra;
    printf("Input basic salary of an employee: ");
    scanf("%f", &basic);
    if(basic<=10000)
    {
        da=basic*80/100;
        hra=basic*20/100;
    }
    else if(basic>10000 && basic<=20000)
    {
        da=basic*90/100;
        hra=basic*25/100;
    }
    else
    {
        da=basic*95/100;
        hra=basic*30/100;
    }
    gross=basic+da+hra;
    printf("Gross salary = %.2f\n", gross);
    return 0;
}
```

"C:\Users\pc\Documents\Assignments\Problem No. 5.exe"   —   □   X

```
Input basic salary of an employee: 22000
Gross salary = 49500.00

Process returned 0 (0x0)    execution time : 3.234 s
Press any key to continue.
```

Ans to the ques no - 6

```c
#include <stdio.h>
int main()
{
    char operation;
    float num1, num2, result;
    printf("WELCOME TO SIMPLE CALCULATOR\n----------------------------------\nEnter [number 1] [+ - * /] [number 2]\n");
    scanf("%f %c %f", &num1, &operation, &num2);
    switch(operation)
    {
        case '+':
            result = num1 + num2;
            break;
        case '-':
            result = num1 - num2;
            break;
        case '*':
            result = num1 * num2;
            break;
        case '/':
            result = num1 / num2;
            break;
        default:
            printf("Invalid operator\n");
    }
    printf("%.2f %c %.2f = %.2f\n", num1, operation, num2, result);
    return 0;
}
```

```
"C:\Users\pc\Documents\Assignments\Problem No. 6.exe"                          —    □    ✕

WELCOME TO SIMPLE CALCULATOR
--------------------------------
Enter [number 1] [+ - * /] [number 2]
22 * 6
22.00 * 6.00 = 132.00

Process returned 0 (0x0)   execution time : 31.135 s
Press any key to continue.
```