#1_Program that calculates the average of the marks and the percentage of a student in six subjects (each out of Hundred)>>>

```
#include <stdio.h>
int main()
{   float m,e,s,h,u,c,sum,avg,per;
    printf("Please enter all your marks out of hundred. "
                    "Now enter your marks in Mathametics   here: ");
    scanf("%f",&m);
    printf("Enter your marks in English here: ");
    scanf("%f",&e);
    printf("Enter your marks in Science here: ");
    scanf("%f",&s);
    printf("Enter your marks in Hindi here: ");
    scanf("%f",&h);
    printf("Enter your marks in Urdu here: ");
    scanf("%f",&u);
    printf("Enter your marks in Computer Science here: ");
    scanf("%f",&c);
    sum=m+e+s+h+u+c;
    avg=sum/6;
    per=(sum/600)*100;
    /*if the marks are entered out of hundred average (avg) will be equal to the
    percentage but in other situations per variable will be required*/
    printf("Your average marks are %f and your percentage is %f .",avg,per);
    return 0;
}
```

Execution;

```
Please enter all your marks out of hundred.Now enter your marks in Mathametics  here: 90
Enter your marks in English here: 80
Enter your marks in Science here: 70
Enter your marks in Hindi here: 90
Enter your marks in Urdu here: 70
Enter your marks in Computer Science here: 100
Your average marks are 83.333336 and your percentage is 83.333336
```

#2_Program that find the gross salary of an employee >>>

```
/*Given Data is:
Basic pay =22,600
D.A. = 40% of basic pay
C.A. = 78% of basic pay
To find: Gross Salary*/

#include <stdio.h>
int main(){
      //variable b for basic pay
       float b=22600;
    //variable d for D.A.
    float d=(b*40)/100;
    //Note that b* (40/100) will not give the right result.
      //variable c for C.A.
      float c=(b*78)/100;
      //variable g for gross salary
      float g=b+d+c;
      printf("The Gross income of the employee is %f",g);
      return 0;
}
```

Result;

```
The Gross income of the employee is 49268.000000
```

#3_Program that converts the temperature from Celsius to Fahrenheit >>>

```
#include <stdio.h>
int main(){
float in;
printf("Please enter the temperature you want to convert from Celsius to
        Fahrenheit here: ");
scanf("%f",&in);
in= (in*9/5)+32;
printf("The temperature you entered will be %f in Fahrenheit.",in);
return 0;
}
```

Execution;

```
Please enter the temperature you want to convert from Celsius to Fahrenheit here: 100
The temperature you entered will be 212.000000 in Fahrenheit
```

#4_Program that finds the sum of the digits of a four digit number >>>

```
#include <stdio.h>
int main()
{ int in,r1,r2,r3;
    printf("Enter any four digit number    here: ");
    scanf("%d",&in);
    r1= in%10;
    in=in/10;
    r2=in%10;
    in=in/10;
    r3=in%10;
    in=in/10;
    in=in+r1+r2+r3;
    printf("The sum of the digits of the entered number is %d .",in);
    return 0;
}
```

Execution;

```
Enter the four digit no. here: 1234
The sum of the digits is 10.
```

#5_Program that finds the reverse of any three digit number >>>

```
#include<stdio.h>
int main(){
    int in,x,y,z;
   printf("Enter any three digit number here ");
   scanf("%d",&in);
   x=in/100;
   y=(in/10)%10;
   z=in%10;
   in=z*100+y*10+x;
   printf("Reversed number is %d",in);
   return 0;
}
```

Execution;

```
Enter any three digit number here 123
Reversed number is 321
```