Lab-1-Demonstrate basic data type in C and implement arithmetic expression

a)write a c program to display student information like name,Roll no,Fee paid status,Gender,Address,Branch and Percentage of previous examination.

```c
// Online C compiler to run C program online

#include <stdio.h>

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int main()

{

  char name[20];

  printf("Enter Your Name :\n ");

  scanf("%s",&name);

  int Roll_no;

  printf("Enter Your Roll No : \n");

  scanf("%d",&Roll_no);

   char Gen[5];

   printf("Enter Your Gender : \n");

   scanf("%s",&Gen);

   char add[40];

   printf("Enter Your address\n : ");

  scanf("%s",&add);

 char  branch[20];

 printf("Enter Your branch\n : ");
```

```c
    scanf("%s",&branch);

    float per;

    printf("Enter Your percentage\n : ");

    scanf("%f",&per);

     printf("Your name is : %s \n", name);

     printf("Your Roll_no is : %d \n", Roll_no);

     printf("Your Gender is : %s \n", Gen);

     printf("Your address is : %s \n", add);

     printf("Your branch is : %s \n", branch);

     printf("Your percentage is :%f \n",per);

     return 0;}
```

B) C Program to find area and circumference of circle

```c
// Online C compiler to run C program online

#include <stdio.h>

int main() {

   int radius;

   float PI = 3.14, area, ci;

   printf("\nEnter radius of circle: ");

   scanf("%d", &radius);

   area = PI * radius * radius;

   printf("\nArea of circle : %f ", area);
```

```c
        ci = 2 * PI * rad;

        printf("\nCircumference : %f ", ci);

        return (0);}
```

c) Program to convert temperature from degree centigrade to Fahrenheit

```c
#include<stdio.h>

int main() {

        float celsius, fahrenheit;

        printf("\nEnter temp in Celsius : ");

        scanf("%f", &celsius);

        fahrenheit = (1.8 * celsius) + 32;

        printf("\nTemperature in Fahrenheit : %f ", fahrenheit);

        return (0);}
```