Modulo :- 3.1

SE-Fundamentals of Programming

1. Display This Information using printf

A. Your Name

B. Your Birth Date

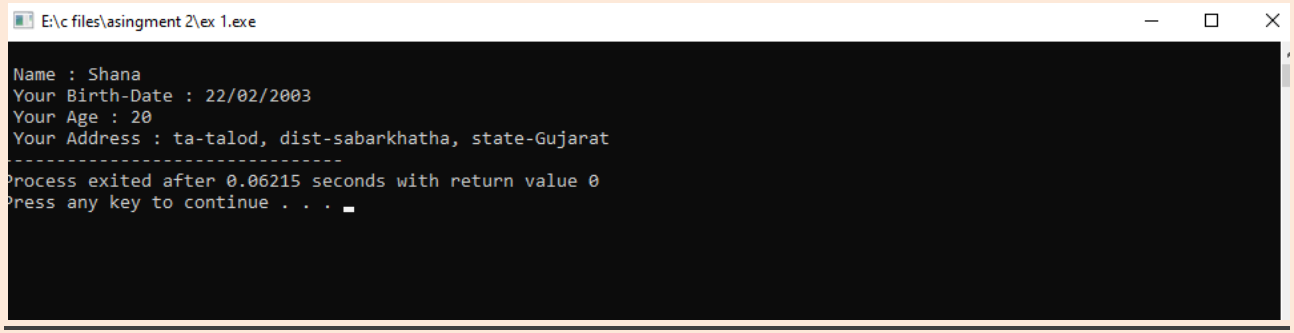
C. Your Age

D. Your Address

➢

```
#include<stdio.h>
main ()
{
    printf(" \n Name : Shana");
    printf(" \n Your Birth-Date : 22/02/2003");
    printf(" \n Your Age : 20");
    printf(" \n Your Address : ta-talod, dist-sabarkhatha, state-Gujarat");
    return 0;
}
```

Output



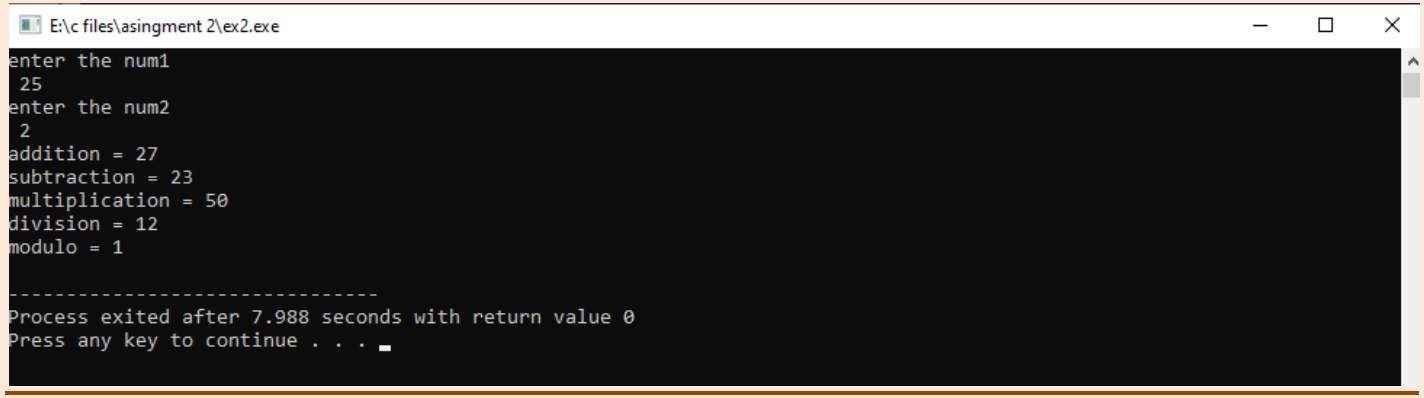
2.WAP to make Simple calculator (to make adition, subtraction, multiplication, division, modulo)

```
#include<stdio.h>
main()
{
```

```
int num1, num2, addition, subtraction, multiplication,
division, modulo;
printf("enter the num1 \n ");
scanf("%d",&num1);
printf("enter the num2 \n ");
scanf("%d",&num2);
addition = num1 + num2;
subtraction = num1 - num2;
multiplication = num1 * num2;
division = num1 / num2;
modulo = num1 % num2;


printf("addition = %d \n",addition);
printf("subtraction = %d \n",subtraction);
```

```
    printf("multiplication = %d \n",multiplication);
    printf("division = %d \n",division);
    printf("modulo = %d \n",modulo);
    return 0;

}
```

Output

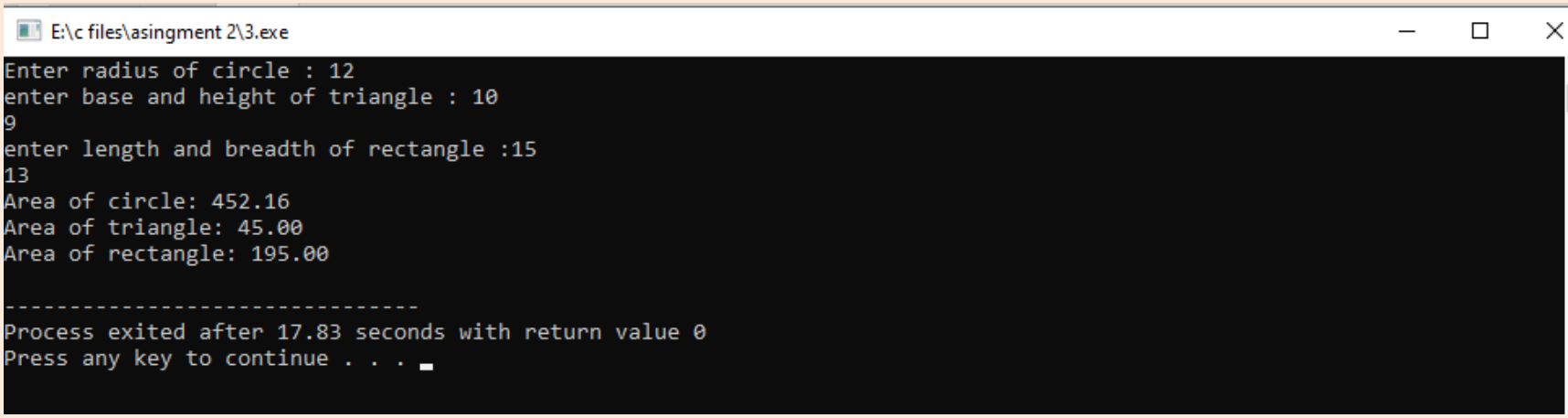


3. WAP to find area of circle, rectangle and triangle

```
#include<stdio.h>
 main()
 {
      float radius, base,height,length,breadth;
      float pi=3.14;

      printf("Enter radius of circle : ");
      scanf("%f",&radius);
      printf("enter base and height of triangle : ");
      scanf("%f%f",&base, &height);
      printf("enter length and breadth of rectangle :");
      scanf("%f%f",&length,&breadth);

      float area_of_circle = pi * radius * radius;
      float area_of_triangle = 0.5 * base * height;
```

```
    float area_of_rectangle = length * breadth;

    printf("Area of circle: %.2f \n",area_of_circle);
    printf("Area of triangle: %.2f \n",area_of_triangle);
    printf("Area of rectangle: %.2f \n",area_of_rectangle);

    return 0;
}
```

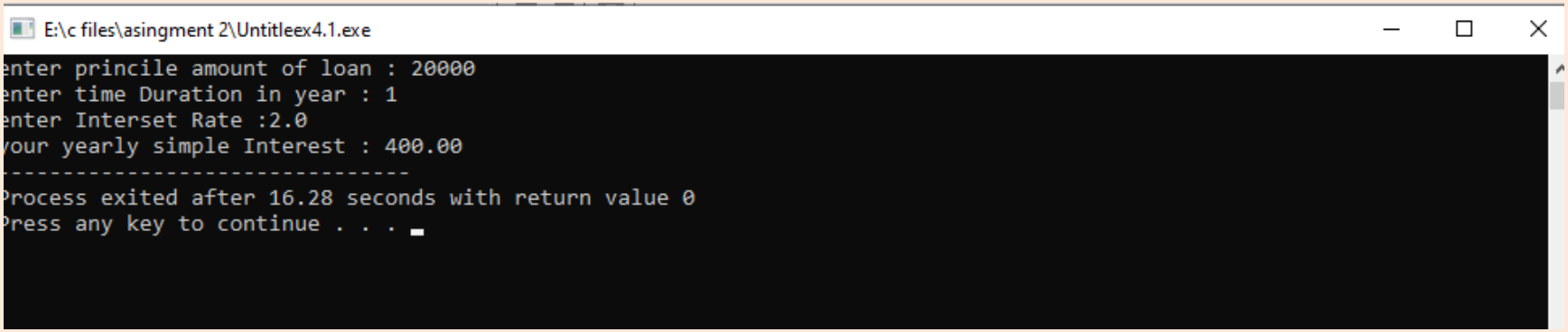
OUTPUT



4.WAP to find simple interest.

```
#include<stdio.h>
main()
{
    float interest, amount, time, rate;
    printf("enter princile amount of loan : ");
    scanf("%f",&amount);
    printf("enter time Duration in year : ");
    scanf("%f", &time);
    printf("enter Interset Rate :");
    scanf("%f",&rate);

    interest=(amount*time*rate)/100;
    printf("your yearly simple Interest : %.2f",interest);
    return 0;
}
```

OUTPUT

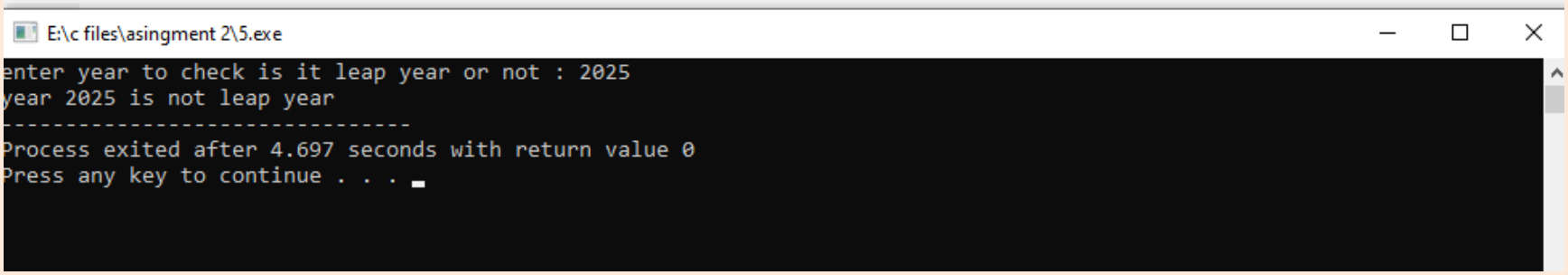


5.WAP to check if the given year is a leap year or not.

```
#include<stdio.h>
main()
{
    int year , leapyear;
    printf("enter year to check is it leap year or not : ");
    scanf("%d",&year);
```

```
    leapyear = year % 4;
    if(leapyear==0)
    {
        printf("year %d is leap year", year);
    }
    else
    {
        printf("year %d is not leap year",year);
    }
    return 0;
}
```

OUTPUT



6. WAP to convert years into days and days into years.

```
#include<stdio.h>
main ()
{
    float days, daystoyears, years, yearstodays;
    printf("\n Days to years  ");
    printf("Enter days : ");
    scanf("%f",&days);
    daystoyears = days/365;
    printf("%.2f days = %.2f years \n",days,daystoyears);
```

```
    printf("\n  years to days");
    printf("enter years : ");
    scanf("%f",&years);
    yearstodays = years*365;
    printf("%2.f yers = %2f days \n", years,yearstodays);
}
```

OUTPUT