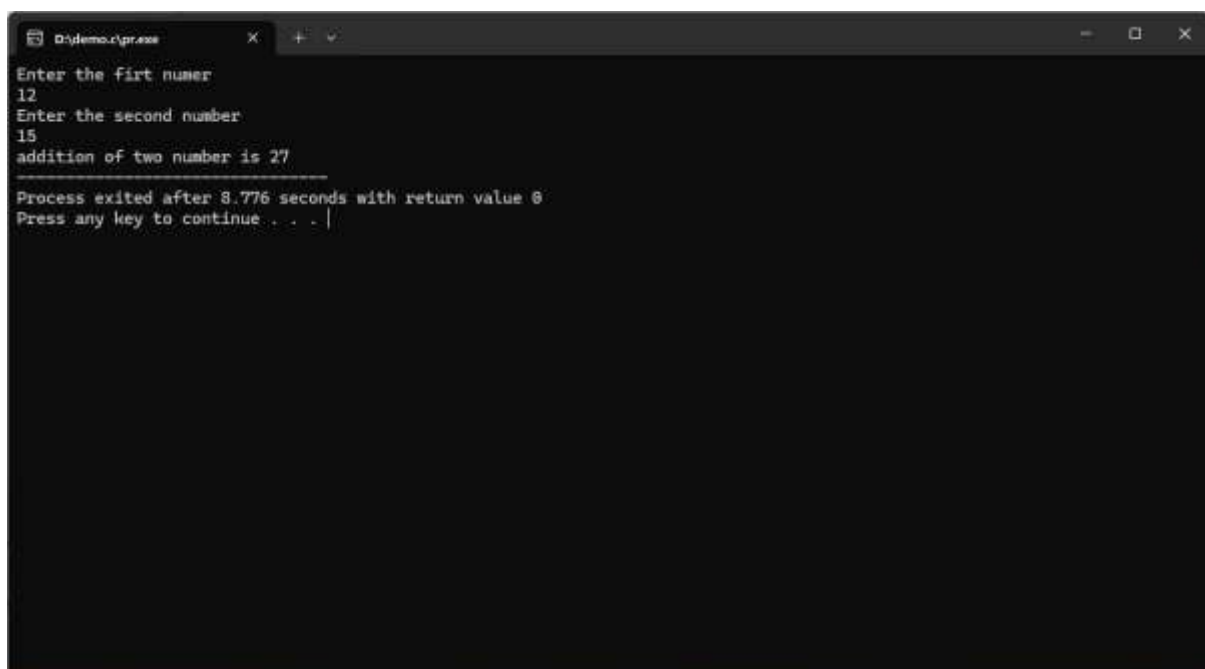


1)Addition of two integier number

```
#include <stdio.h>

int main(){
    int num1,num2,sum;
    printf ("Enter the firt numer\n");
    scanf ("%d",&num1);
    printf("Enter the second number\n");
    scanf("%d",&num2);
    sum=num1+num2;
    printf("addition of two number is %d",sum );
    return 0;
}
```

A screenshot of a terminal window titled "D:\demo.c\prase". The window shows the execution of a C program that adds two numbers. The user enters "12" for the first number and "15" for the second number. The program outputs "addition of two number is 27". Below this, it shows "Process exited after 8.776 seconds with return value 0" and "Press any key to continue . . . |".

```
D:\demo.c\prase
Enter the first number
12
Enter the second number
15
addition of two number is 27
Process exited after 8.776 seconds with return value 0
Press any key to continue . . . |
```

2) Write a C program to find the area of a circle.

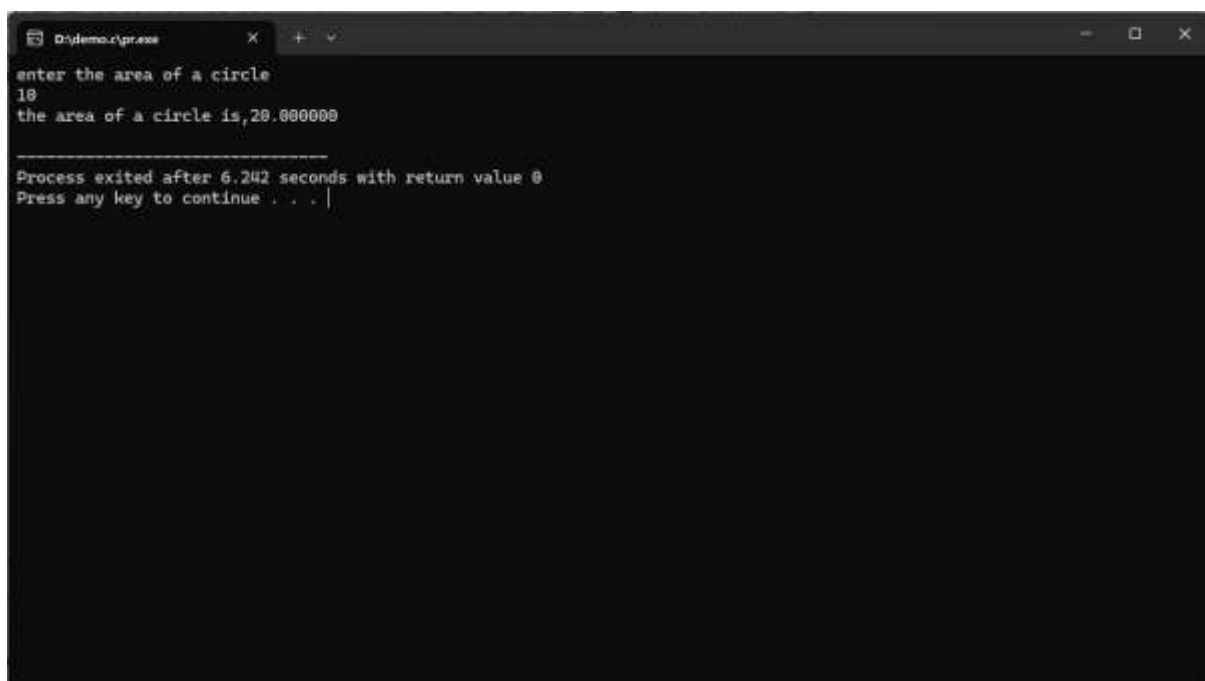
```
#include <stdio.h>

#define pi 3.1416

int main() {
    float radius, area;

    printf ("enter the area of a circle\n");
    scanf ("%F",&radius);

    area= pi*radius*radius;
    printf ("the area of a circle is,2%f\n",area);
}
```

A screenshot of a Windows command prompt window titled "D:\demo.c\press". The window shows the execution of a C program. The prompt "enter the area of a circle" is displayed, followed by the user input "10". The program then outputs "the area of a circle is,20.000000". Below this, a separator line is shown, followed by the message "Process exited after 6.242 seconds with return value 0" and "Press any key to continue . . . |".

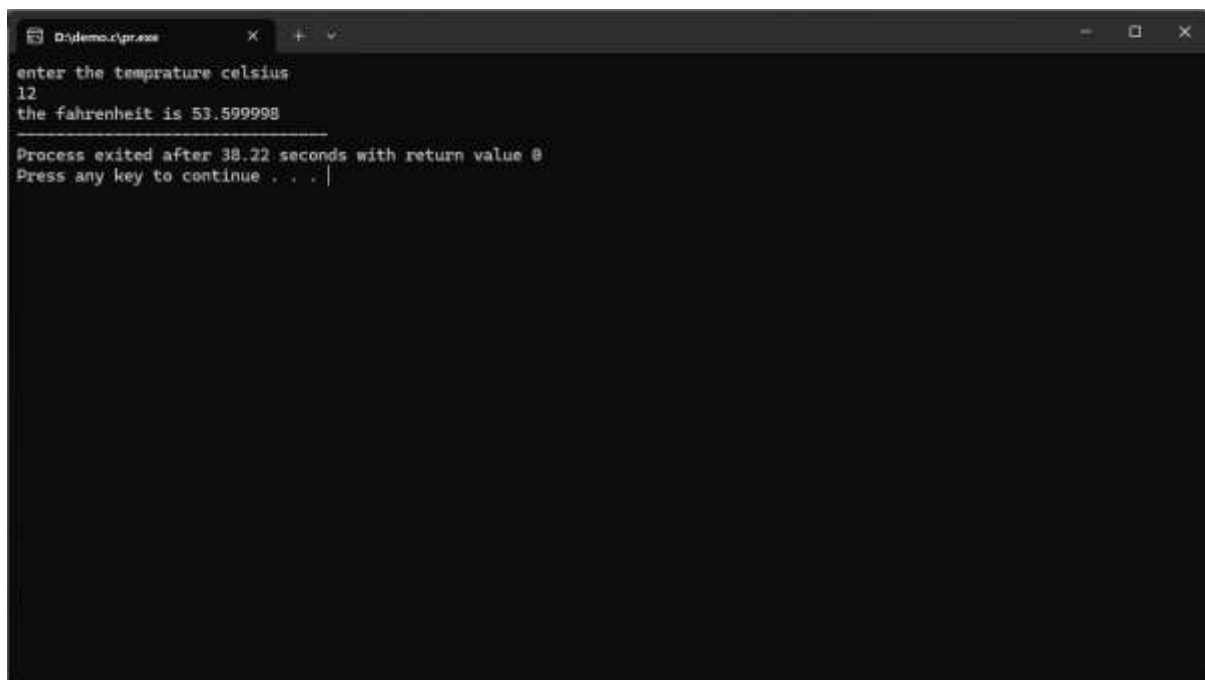
```
D:\demo.c\press
enter the area of a circle
10
the area of a circle is,20.000000

-----
Process exited after 6.242 seconds with return value 0
Press any key to continue . . . |
```

3) Write a C program to convert temperature from Celsius to Fahrenheit using the formula: $F = (C * 9/5) + 32$

```
#include<stdio.h>

int main(){
float temp_celsius,fahrenheit;
printf("enter the temprature celsius\n");
scanf("%f",&temp_celsius);
fahrenheit= temp_celsius*9/5+32;
printf("the fahrenheit is %f",fahrenheit);
return 0;
}
```

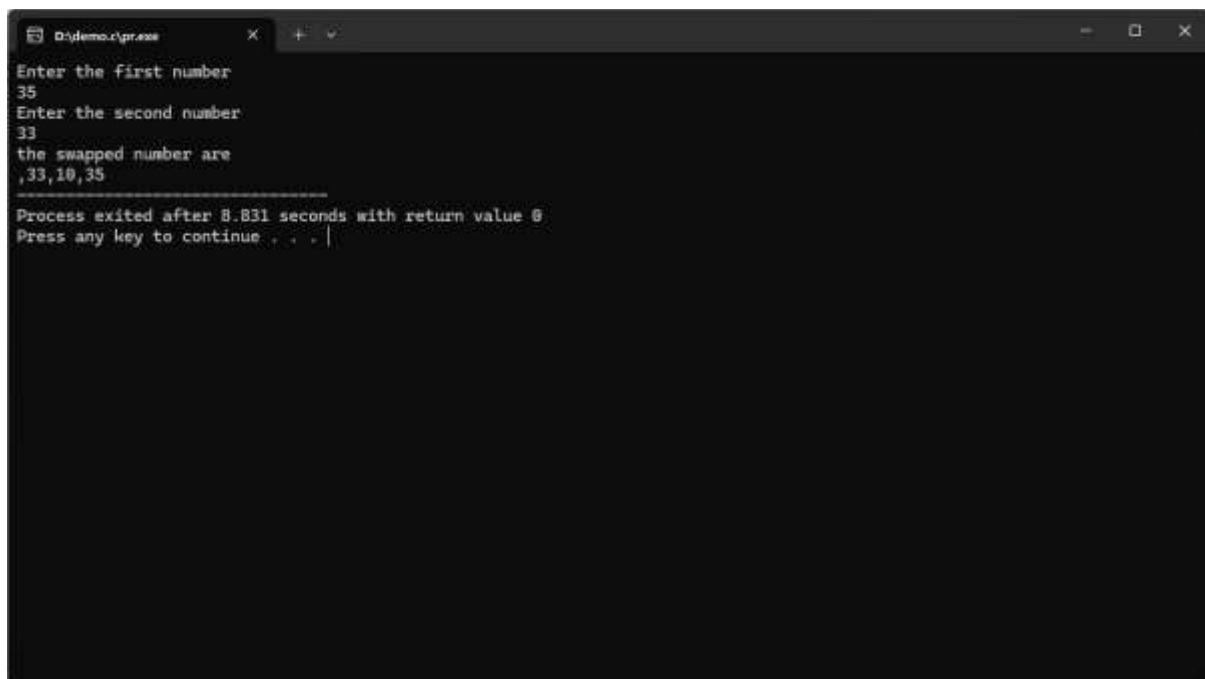
A screenshot of a terminal window titled "D:\demo.c\pr.exe". The terminal shows the execution of a C program. It prompts the user to "enter the temprature celsius" and receives the input "12". It then outputs "the fahrenheit is 53.599998". Below this, it shows "Process exited after 38.22 seconds with return value 0" and "Press any key to continue . . .".

```
D:\demo.c\pr.exe
enter the temprature celsius
12
the fahrenheit is 53.599998
Process exited after 38.22 seconds with return value 0
Press any key to continue . . .
```

4) Write a C program to swap two numbers using a temporary third variable.

```
#include<stdio.h>

int main(){
int a,b,c=10;
printf("Enter the first number\n");
scanf("%d",&a);
printf("Enter the second number\n");
scanf("%d",&b);
int temp =a;
a=b;
b=c;
c=temp;
printf("the swapped number are\n,%d,%d,%d",a,b,c);
}
```

A screenshot of a Windows command prompt window titled "D:\demo.c\pr.exe". The window shows the execution of a C program that swaps two numbers. The user enters "35" for the first number and "33" for the second number. The program outputs "the swapped number are ,33,10,35". Below this, it shows "Process exited after 8.831 seconds with return value 0" and "Press any key to continue . . .".

```
D:\demo.c\pr.exe
Enter the first number
35
Enter the second number
33
the swapped number are
,33,10,35
Process exited after 8.831 seconds with return value 0
Press any key to continue . . .
```

5)Write a C program to input five numbers and find their average.

```
#include<stdio.h>

float main(){

int num1,num2,num3,num4,num5;

float avrage;

printf("enter the five number\n");

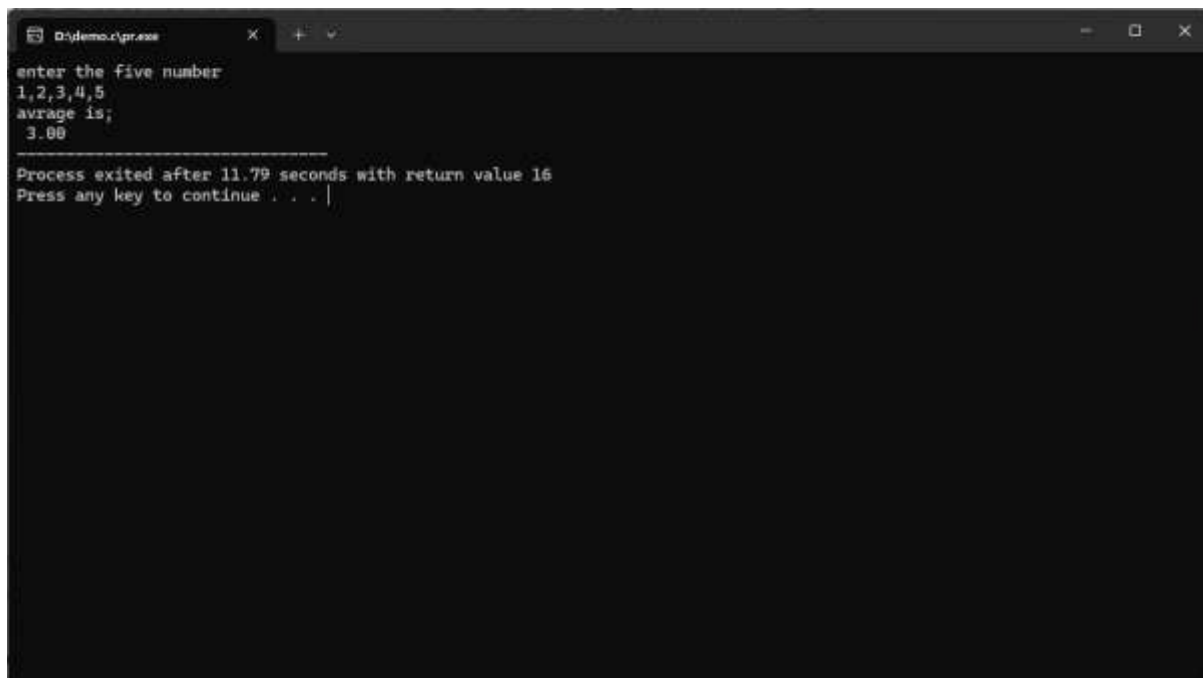
scanf("%d,%d,%d,%d,%d",&num1,&num2,&num3,&num4,&num5);

avrage=(num1+num2+num3+num4+num5)/5.0;

printf("avrage is;\n %.2f",avrage);

return 0;

}
```

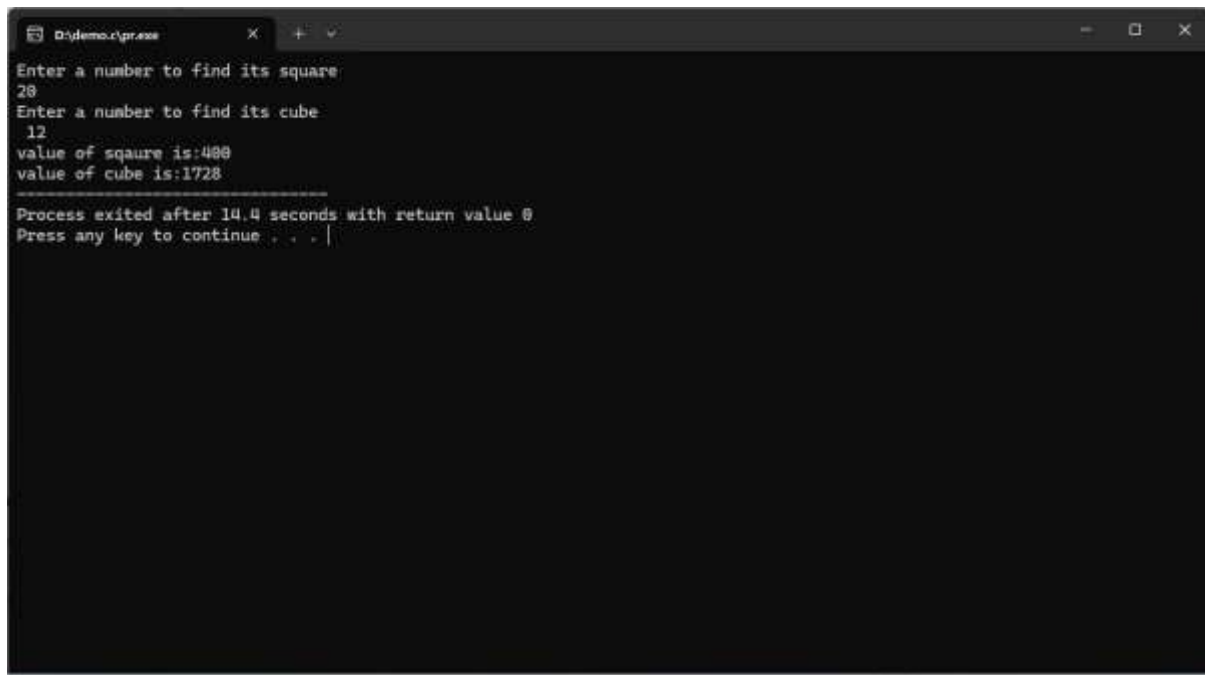
A screenshot of a terminal window titled "D:\demo.c\pr.exe". The terminal shows the execution of a C program. It prompts the user to "enter the five number" and the user inputs "1,2,3,4,5". The program then outputs "avrage is;" followed by "3.00". Below this, a separator line is shown, followed by the message "Process exited after 11.79 seconds with return value 16" and "Press any key to continue . . . |".

```
D:\demo.c\pr.exe
enter the five number
1,2,3,4,5
avrage is;
3.00
-----
Process exited after 11.79 seconds with return value 16
Press any key to continue . . . |
```

6) Write a C program to find the square and cube of a given number.

```
#include <stdio.h>

int main() {
    int square ,cube;
    printf("Enter a number to find its square\n");
    scanf("%d",&square);
    square=square*square;
    printf("Enter a number to find its cube\n ");
    scanf("%d",&cube);
    cube=cube*cube*cube;
    printf("value of square is:%d\n",square);
    printf("value of cube is:%d",cube);
    return 0;
}
```

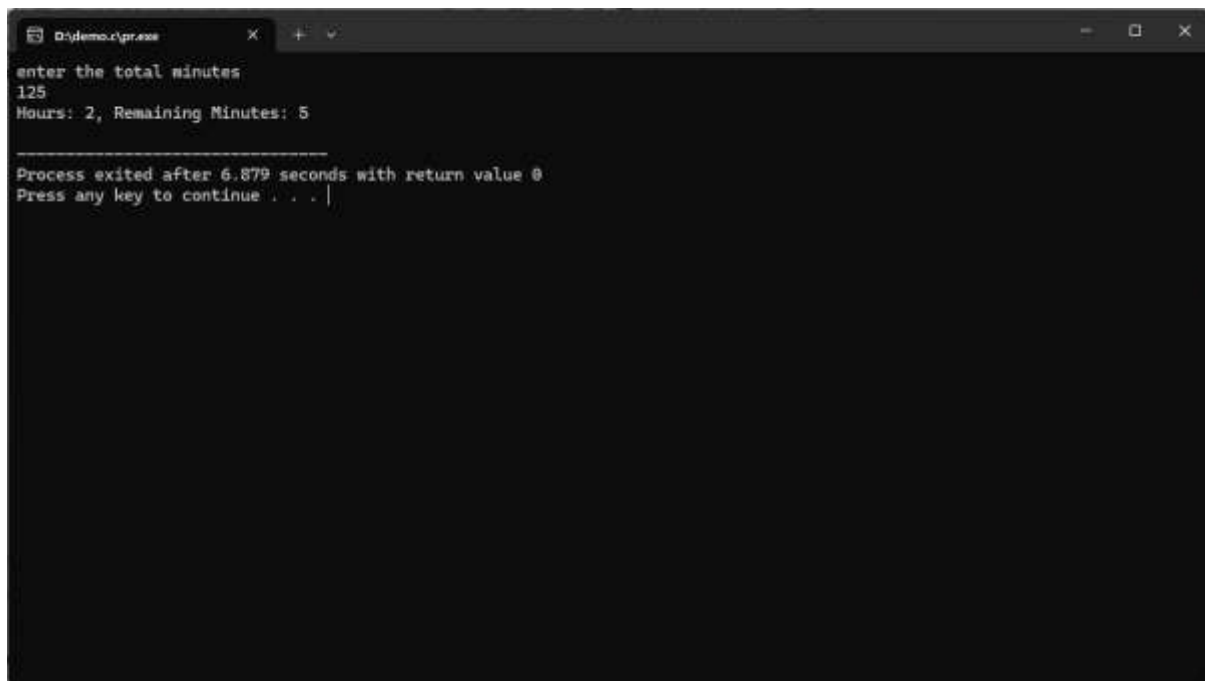
A screenshot of a terminal window titled "D:\demo.c\pr.exe". The terminal shows the execution of a C program. It prompts the user to "Enter a number to find its square" and receives the input "28". It then prompts "Enter a number to find its cube" and receives the input "12". The program outputs "value of square is:400" and "value of cube is:1728". Below the outputs, there is a separator line and a message: "Process exited after 14.4 seconds with return value 0" and "Press any key to continue . . . |".

```
D:\demo.c\pr.exe
Enter a number to find its square
28
Enter a number to find its cube
12
value of square is:400
value of cube is:1728
=====
Process exited after 14.4 seconds with return value 0
Press any key to continue . . . |
```

7) Write a C program to convert given minutes into hours and remaining minutes.

```
#include <stdio.h>

int main() {
    int total_minutes, hours, minutes;
    printf("enter the total minutes\n");
    scanf("%d", &total_minutes);
    hours = total_minutes / 60;
    minutes = total_minutes % 60;
    printf("Hours: %d, Remaining Minutes: %d\n", hours, minutes);
    return 0;
}
```

A screenshot of a terminal window with a dark background. The window title is "D:\demo.c\prase". The output shows the program prompting for "enter the total minutes", where the user has entered "125". The program then outputs "Hours: 2, Remaining Minutes: 5". Below this, a separator line is shown, followed by the message "Process exited after 6.879 seconds with return value 0" and "Press any key to continue . . .".

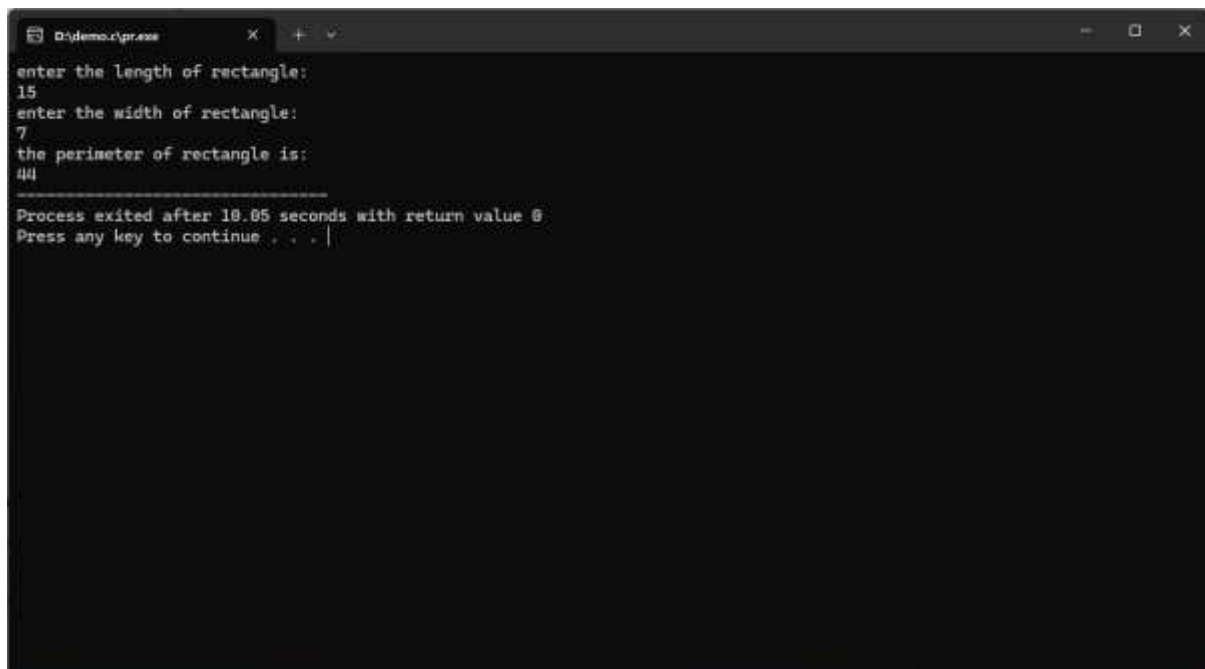
```
D:\demo.c\prase
enter the total minutes
125
Hours: 2, Remaining Minutes: 5

-----
Process exited after 6.879 seconds with return value 0
Press any key to continue . . .
```

8) Write a C program to input the length and width of a rectangle and find its perimeter.

```
#include <stdio.h>

int main() {
    int length,width,perimeter;
    printf("enter the length of rectangle:\n");
    scanf("%d",&length);
    printf("enter the width of rectangle:\n");
    scanf("%d",&width);
    perimeter=2*(length+width);
    printf("the perimeter of rectangle is:\n%d",perimeter);
}
```

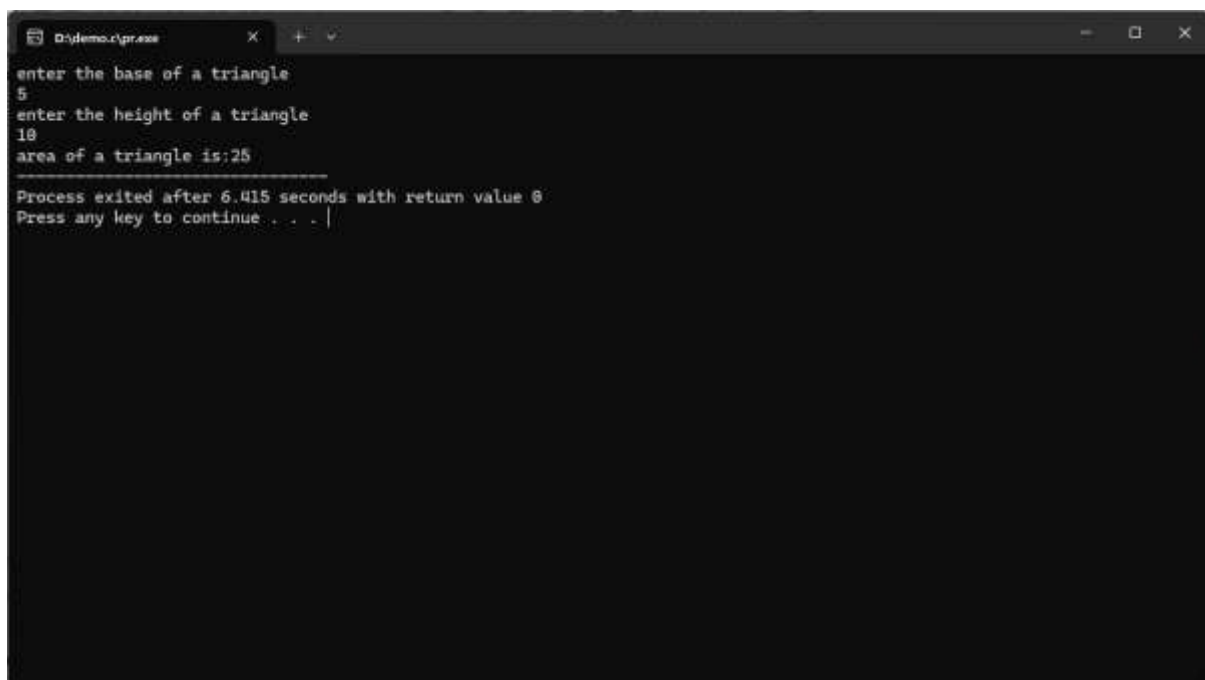
A screenshot of a terminal window titled "D:\demo.c\pr.exe". The terminal shows the execution of a C program that calculates the perimeter of a rectangle. The user is prompted to enter the length and width of the rectangle. The length is entered as 15, and the width is entered as 7. The program then calculates the perimeter as 44 and displays it. The terminal output is as follows:

```
enter the length of rectangle:
15
enter the width of rectangle:
7
the perimeter of rectangle is:
44
=====
Process exited after 10.05 seconds with return value 0
Press any key to continue . . .
```


9) Write a C program to input the base and height of a triangle and calculate its area.

```
#include<stdio.h>

int main(){
    int base,height,area;
    printf("enter the base of a triangle\n");
    scanf("%d",&base);
    printf("enter the height of a triangle\n");
    scanf("%d",&height);
    area=0.5*base*height;
    {
        printf("area of a triangle is:%d",area);
    }
    return 0;
}
```

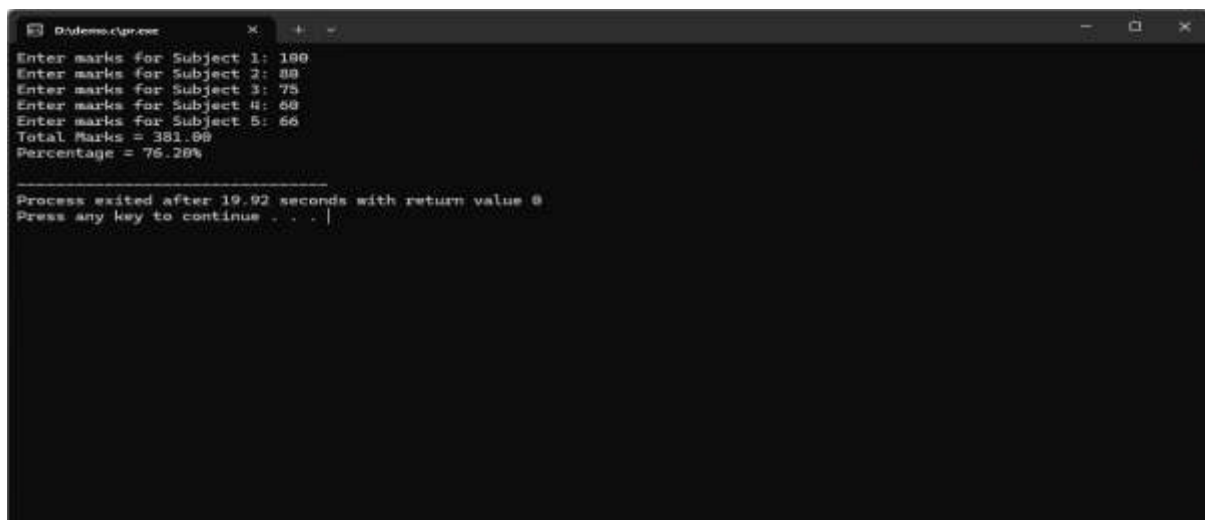


The screenshot shows a Windows command prompt window titled "D:\demo.c\pr.exe". The program prompts the user to "enter the base of a triangle", where the input "5" is shown. It then prompts "enter the height of a triangle", where the input "10" is shown. The output is "area of a triangle is:25". Below this, a status message reads "Process exited after 6.415 seconds with return value 0" and "Press any key to continue . . .".

10) Write a C program to input marks of five subjects, find the total marks, and calculate the percentage.

```
#include<stdio.h>
```

```
int main() {  
    float subject1, subject2, subject3, subject4, subject5;  
    float total, percentage;  
    printf("Enter marks for Subject 1: ");  
    scanf("%f", &subject1);  
    printf("Enter marks for Subject 2: ");  
    scanf("%f", &subject2);  
    printf("Enter marks for Subject 3: ");  
    scanf("%f", &subject3);  
    printf("Enter marks for Subject 4: ");  
    scanf("%f", &subject4);  
    printf("Enter marks for Subject 5: ");  
    scanf("%f", &subject5);  
    total = subject1 + subject2 + subject3 + subject4 + subject5;  
    percentage = (total / 500) * 100;  
    printf("Total Marks = %.2f\n", total);  
    printf("Percentage = %.2f%%\n", percentage);  
    return 0;  
}
```



```
D:\demo.c\pr.exe  
Enter marks for Subject 1: 100  
Enter marks for Subject 2: 80  
Enter marks for Subject 3: 75  
Enter marks for Subject 4: 60  
Enter marks for Subject 5: 66  
Total Marks = 381.00  
Percentage = 76.20%  
  
-----  
Process exited after 19.92 seconds with return value 0  
Press any key to continue . . .
```

