1. Display multiple variables.

Sample variables:

a+c,x+c,dx+x,a+x,s+b,ax,+b,s+c,ax+c,ax+ux

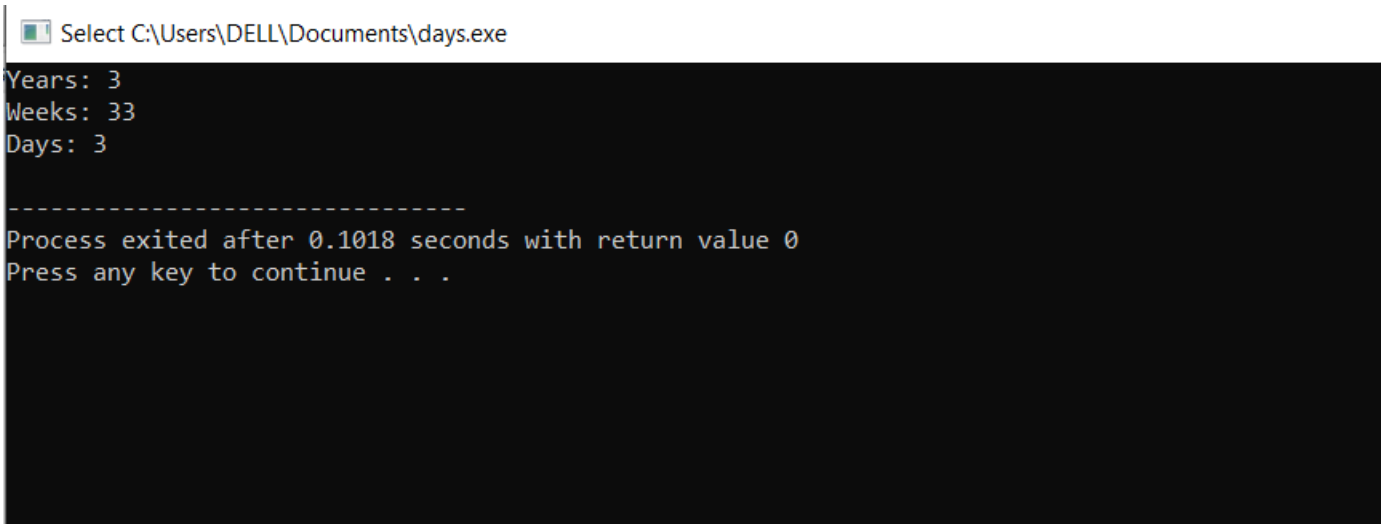
```
#include <stdio.h>
int main()
 {
 int a = 125, b = 12345;
 long ax = 1234567890;
 short s = 4043;
 float x = 2.13459;
 double dx = 1.1415927;
 char c = 'W';
 unsigned long ux = 2541567890;
 printf("a+b=%d",a+b);
 printf("\n a+c=%d",a+c);
 printf("\n x+c=%f",x+c);
 printf("\n dx+x=%lf",dx+x);
 printf("\n a+x=%f",a+x);
 printf("\n s+b=%i",s+b);
 printf("\n ax+b=%li",ax+b);
 printf("\n s+c=%i",s+c);
 printf("\n ax+c=%li",ax+c);
 printf("\n ax+ux=%li",ax+ux);
return 0;
}
```

Output:

2.Convert specified days into years ,weeks and days.

```
#include <stdio.h>

int main()

{

   int days, years, weeks;

   days = 1329;

   years = days/365;

   weeks = (days % 365)/7;

   days = days- ((years*365) + (weeks*7));

   printf("Years: %d\n", years);

   printf("Weeks: %d\n", weeks);

   printf("Days: %d \n", days);

   return 0;

}
```

Output:

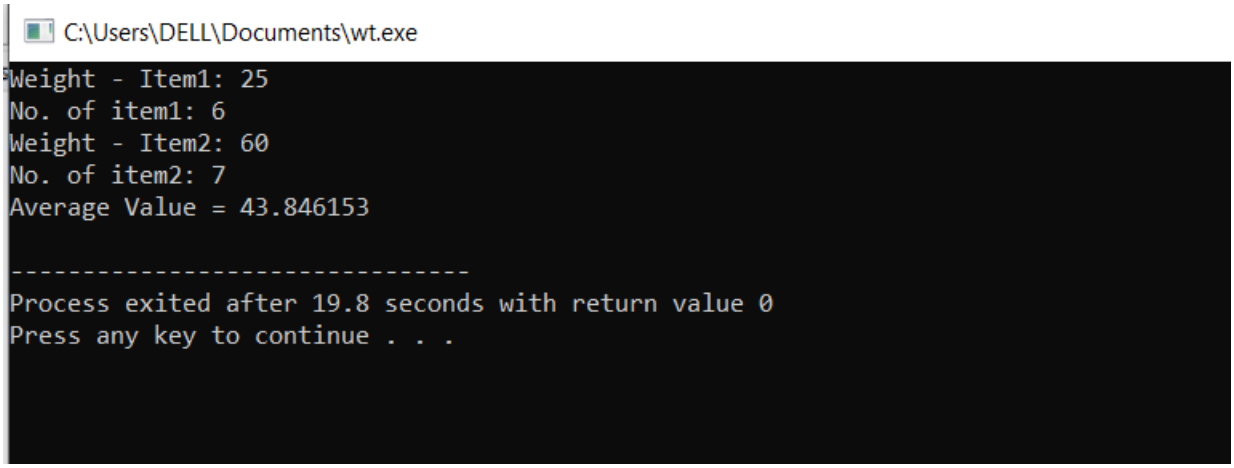


3.Accepts two item's weight(floating points' values)and number of purchase(floating points' values)and calculate the average value of the items.

```
#include <stdio.h>

int main()

 {

float wi1, ci1, wi2, ci2, result;

 printf("Weight - Item1: ");

scanf("%f", &wi1);

printf("No. of item1: ");

scanf("%f", &ci1);

printf("Weight - Item2: ");

scanf("%f", &wi2);

printf("No. of item2: ");

scanf("%f", &ci2);

result = ((wi1 * ci1) + (wi2 * ci2)) / (ci1 + ci2);

printf("Average Value = %f\n", result);

return 0;
```

}

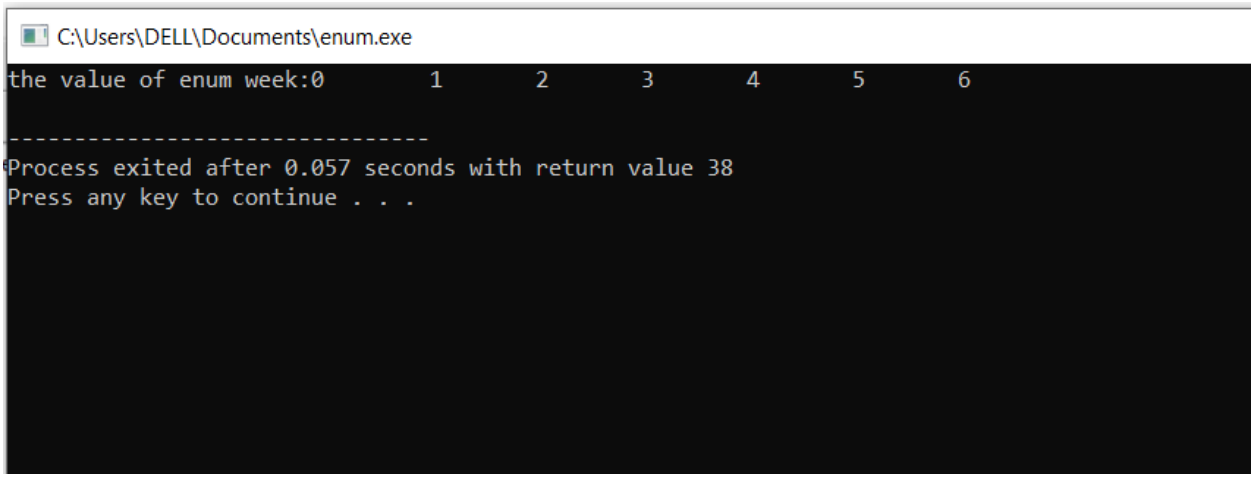
Output:



4.Create enumerated data type for 7 days and display their values in integer constants

```
#include <stdio.h>

int main()

 {

 enum week{mon,tue,wed,thu,fri,sat,sun };

 printf("the value of enum week:%d\t%d\t%d\t%d\t%d\t%d\t%d\t\n",mon,tue,wed,thu,fri,sat,sun);


 }
```

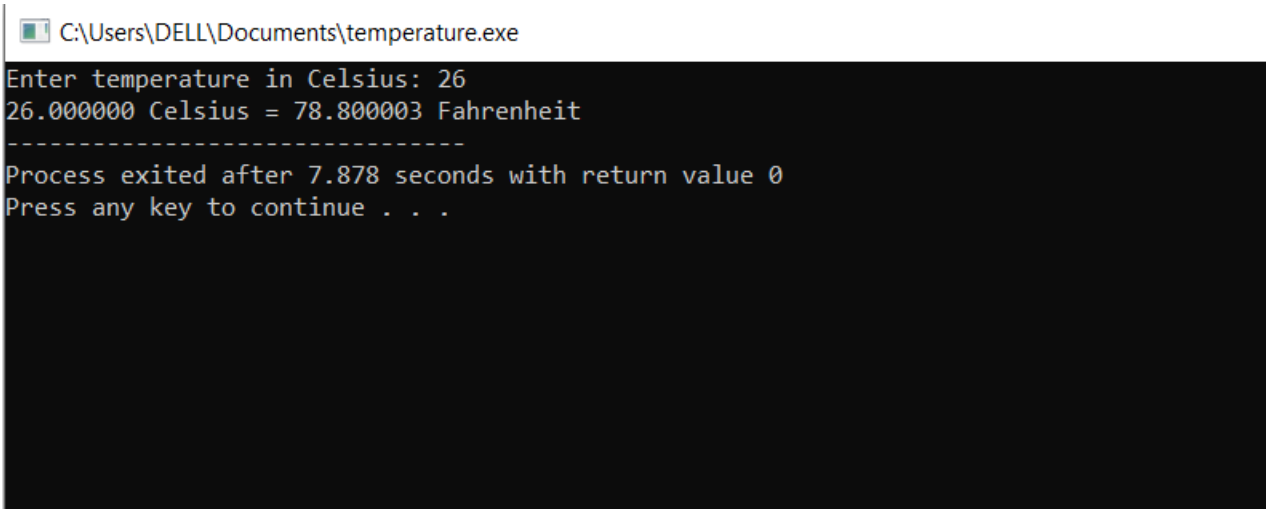
Output:



5.Converts centigrade to Fahrenheit.

```
#include <stdio.h>

 int main()

{

   float celsius, fahrenheit;

   printf("Enter temperature in Celsius: ");

   scanf("%f", &celsius);

   fahrenheit = (celsius * 9 / 5) + 32;

   printf("%f Celsius = %f Fahrenheit", celsius, fahrenheit);

   return 0;

}
```

Output:

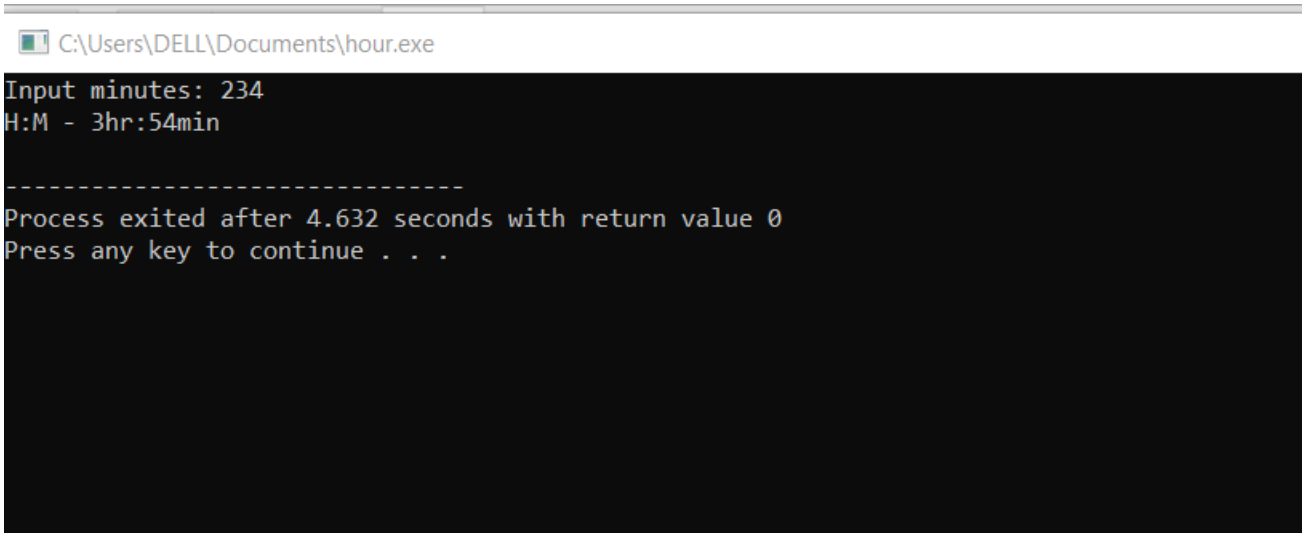


6.Takes minute as input and display the total number of hours and minutes.

```
#include <stdio.h>

int main()

 {
```

```
    int minute, h, m;
    printf("Input minutes: ");
    scanf("%d", &minute);
    h = (minute/60);
    m = (minute%60);
    printf("H:M - %dhr:%dmin\n",h,m);
    return 0;
}
```

Output:

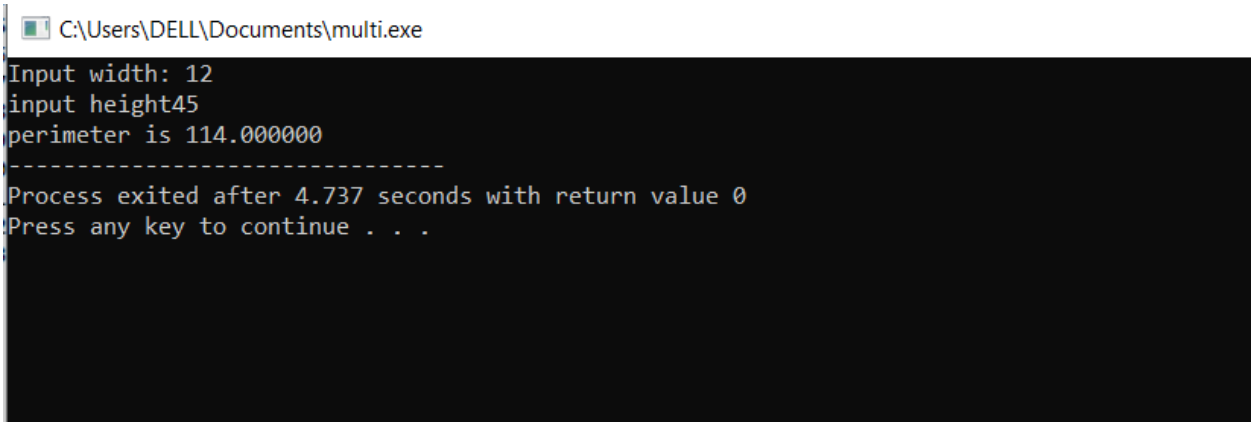


7.Prints the perimeter of a rectangle to take its height and width as input.

```
#include <stdio.h>
int main()
{
    float width,height,perimeter;
    printf("Input width: ");
    scanf("%f", &width);
    printf("input height");
```

```
        scanf("%f",&height);
        perimeter=2*(width+height);
        printf("perimeter is %f",perimeter);
        return 0;
}
```

Output:

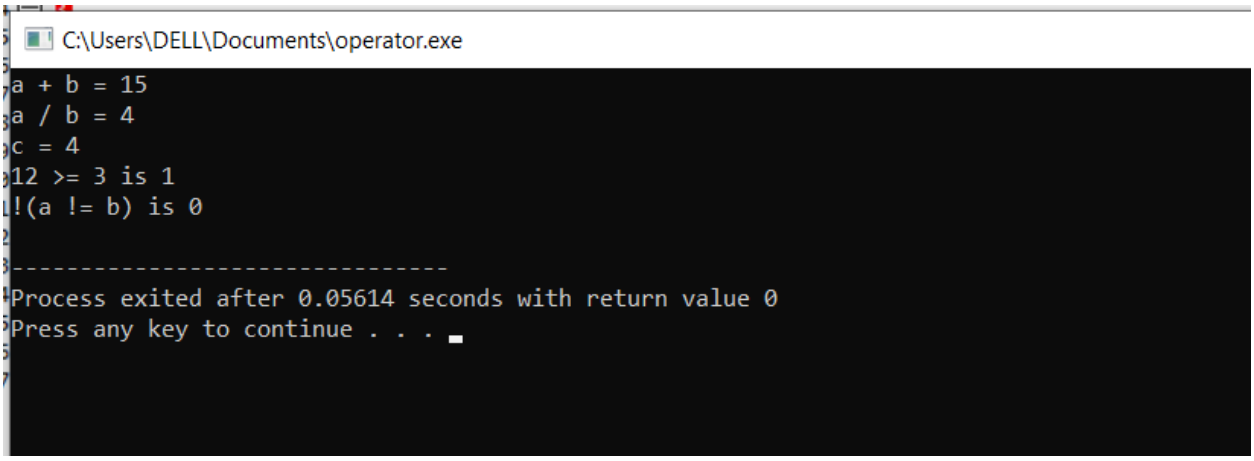


8.By using +,/,%=,>=,! Operators.

```
#include <stdio.h>
int main()
{
 int a = 12,b = 3,c;
 c = a + b;
 printf("a + b = %d \n",c);
 c = a / b;
 printf("a / b = %d \n",c);
 c %= a;
 printf("c = %d \n",c);
 printf("%d >= %d is %d \n", a, b, a >= b);
```

```
 c = !(a != b);

 printf("!(a != b) is %d \n", c);

 return 0;

}
```

Output:



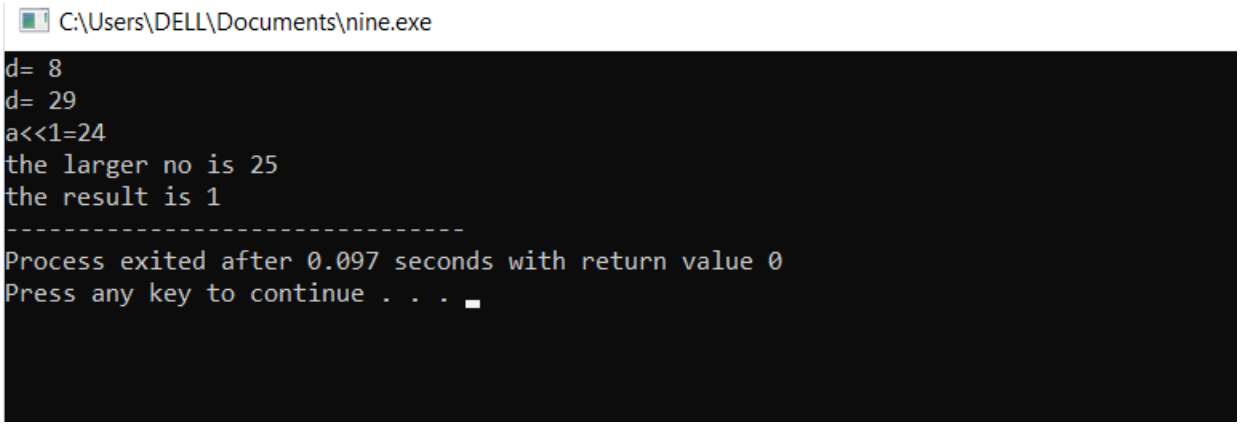
9. By using & ,| ,>>,?:,|| operators.

```
#include <stdio.h>

int main() {

int a = 12,b = 25,c = 28,d,i;

printf("d= %d\n", a&b);

printf("d= %d\n", a|b);

printf("a<<1=%d\n",a<<1);

d=(a>b)?a:b;

printf("the larger no is %d \n",d);


d=(a==b)||(b>a);

printf("the result is %d",d);
```

return 0;

}

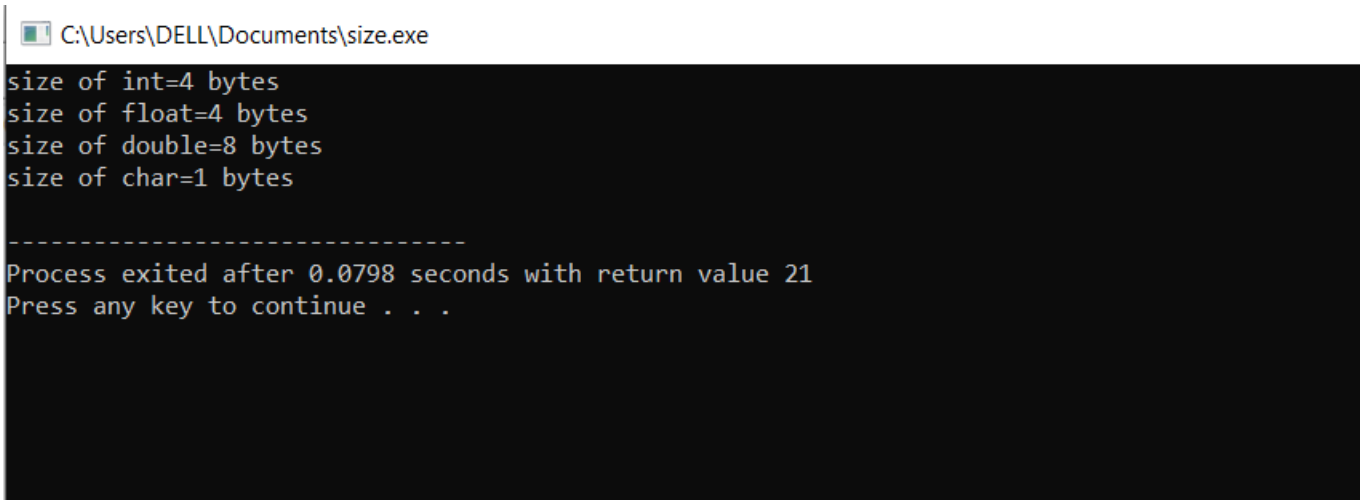
Output:



10.Find the size of int, float, double and char.

```
#include <stdio.h>

int main()

 {

 int a;

 float b;

 double c;

 char d;

 printf("size of int=%d bytes\n",sizeof(a));

 printf("size of float=%d bytes\n",sizeof(b));

 printf("size of double=%d bytes\n",sizeof(c));

 printf("size of char=%d bytes\n",sizeof(d));

}
```

Output:


C:\Users\DELL\Documents\size.exe
size of int=4 bytes
size of float=4 bytes
size of double=8 bytes
size of char=1 bytes

Process exited after 0.0798 seconds with return value 21
Press any key to continue . . .