

Universidad Nacional del Altiplano

Facultad de Ingeniería Estadística e Informática

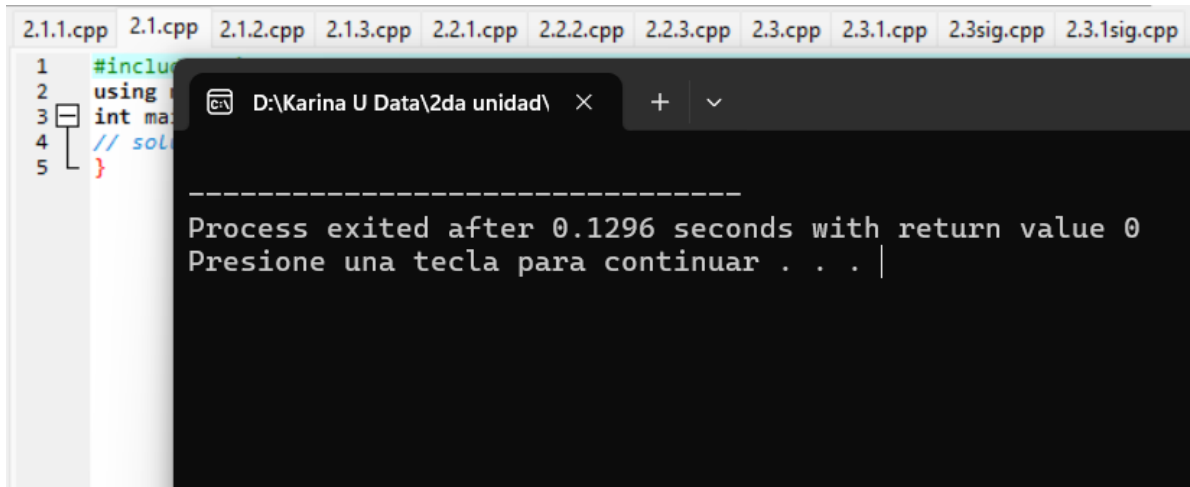
Docente: Fred Torres Cruz

Estudiante: Ruth Karina Apaza Solis

<https://github.com/R-Karina-A-Solis/2da-Unidad-.git>

Trabajo Encargado: Capítulo 2

2.1

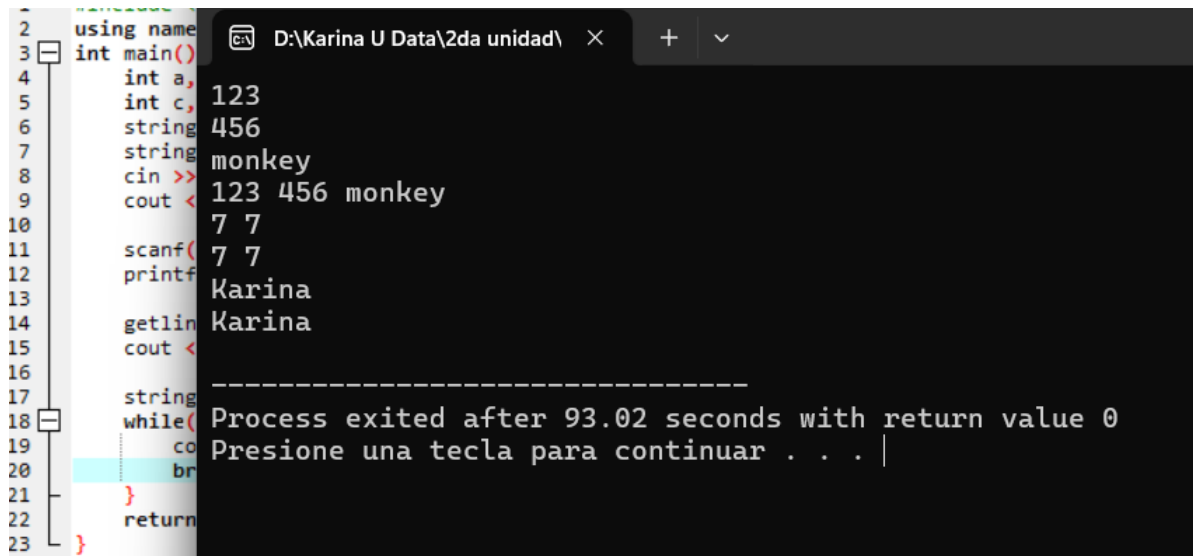


The screenshot shows a C++ IDE with a terminal window open. The terminal displays the output of a program execution. The output is as follows:

```
-----  
Process exited after 0.1296 seconds with return value 0  
Presione una tecla para continuar . . . |
```

Figura 1:

2.1.1

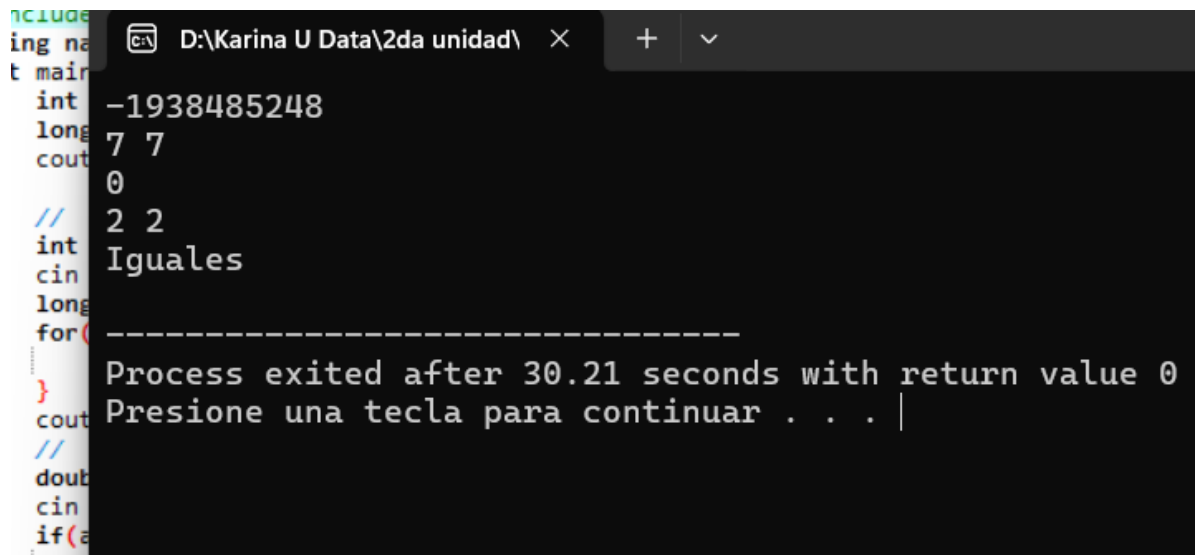


The screenshot shows a C++ IDE with a terminal window open. The terminal displays the output of a program execution. The output is as follows:

```
-----  
Process exited after 93.02 seconds with return value 0  
Presione una tecla para continuar . . . |
```

Figura 2:

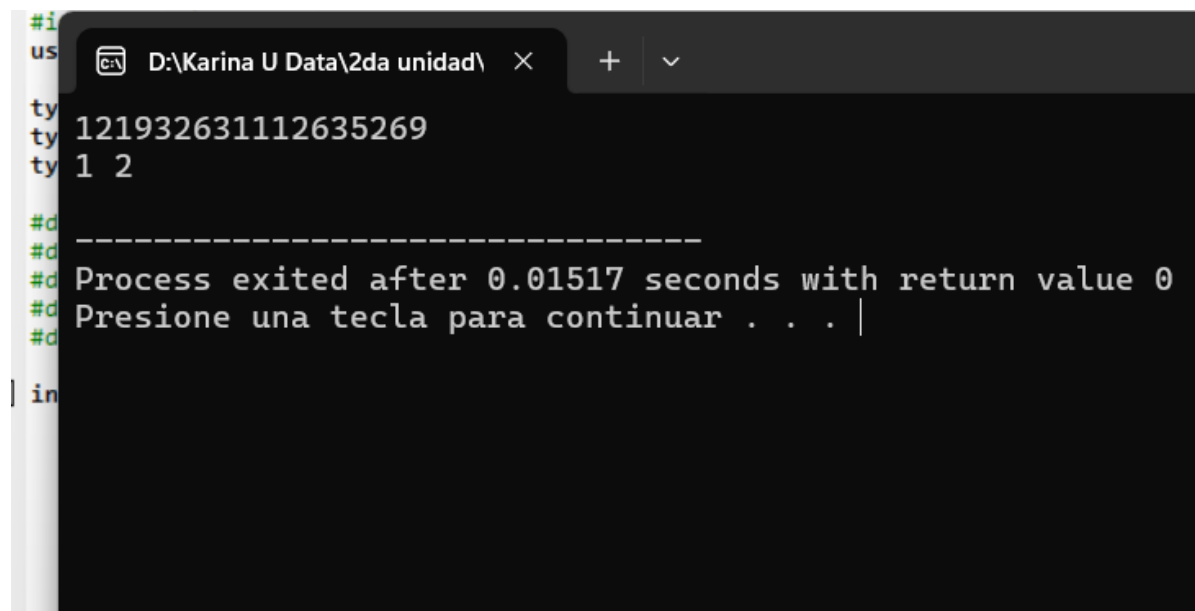
2.1.2



```
include <iostream>
using namespace std;
int main()
{
    int a = -1938485248;
    long b = 7;
    cout << a << endl;
    // 2 2
    int c = 2;
    cin >> c;
    long d = 2;
    for (int i = 0; i < c; i++)
    {
        // Process exited after 30.21 seconds with return value 0
    }
    cout << "Presione una tecla para continuar . . . |";
    //
    double e = 0.0;
    cin >> e;
    if (a < b)
```

Figura 3:

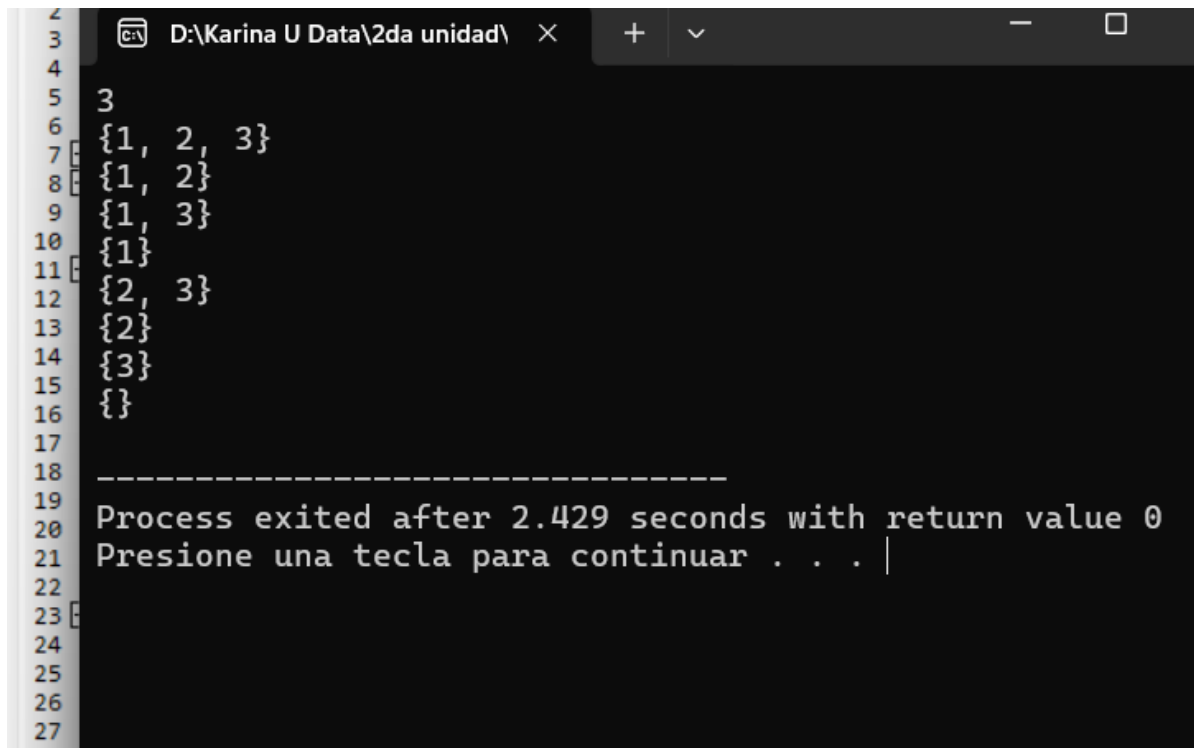
2.1.3



```
#include <iostream>
using namespace std;
int main()
{
    ty 121932631112635269
    ty 1
    ty 2
    #d
    #d
    #d
    #d
    #d
    // Process exited after 0.01517 seconds with return value 0
    #d
    #d
    #d
    | in
```

Figura 4:

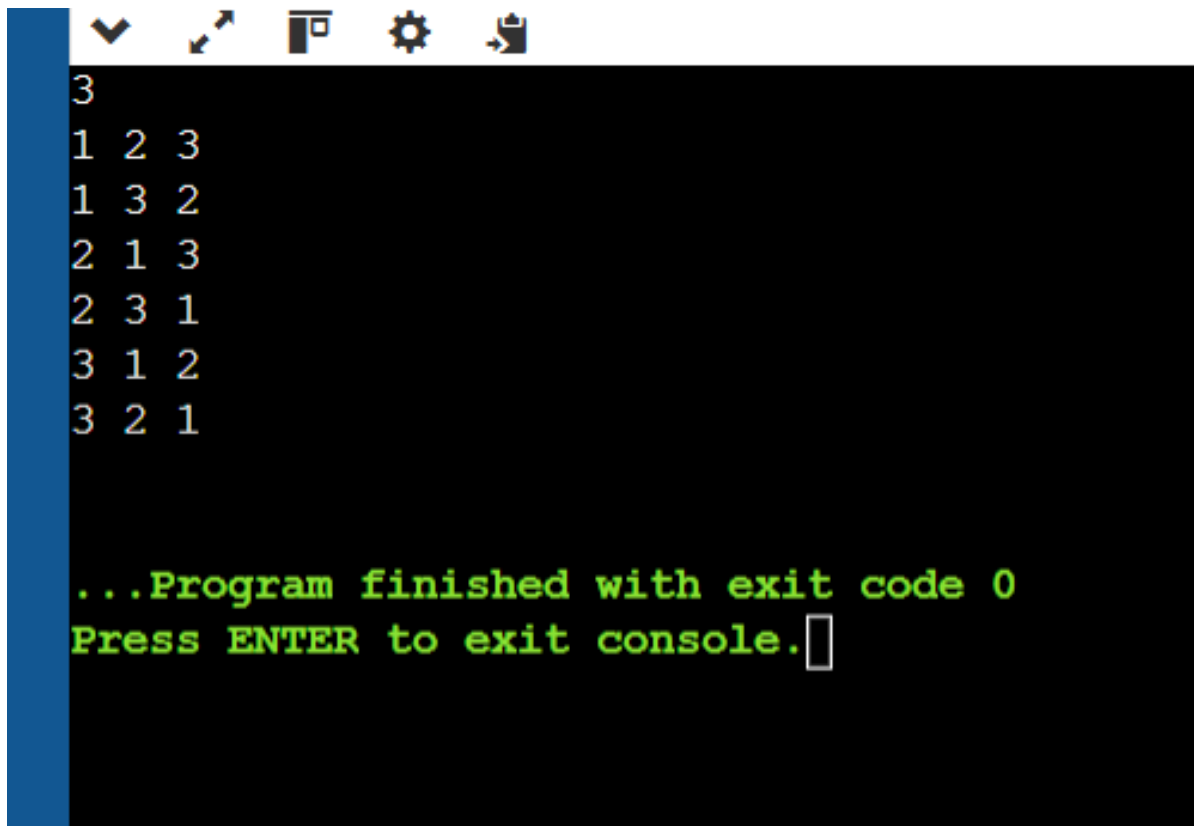
2.2.1



```
3
4
5 3
6 {1, 2, 3}
7 {1, 2}
8 {1, 3}
9 {1}
10 {1}
11 {2, 3}
12 {2}
13 {3}
14 {}
15
16 -----
17
18 Process exited after 2.429 seconds with return value 0
19 Presione una tecla para continuar . . . |
20
21
22
23
24
25
26
27
```

Figura 5:

2.2.2

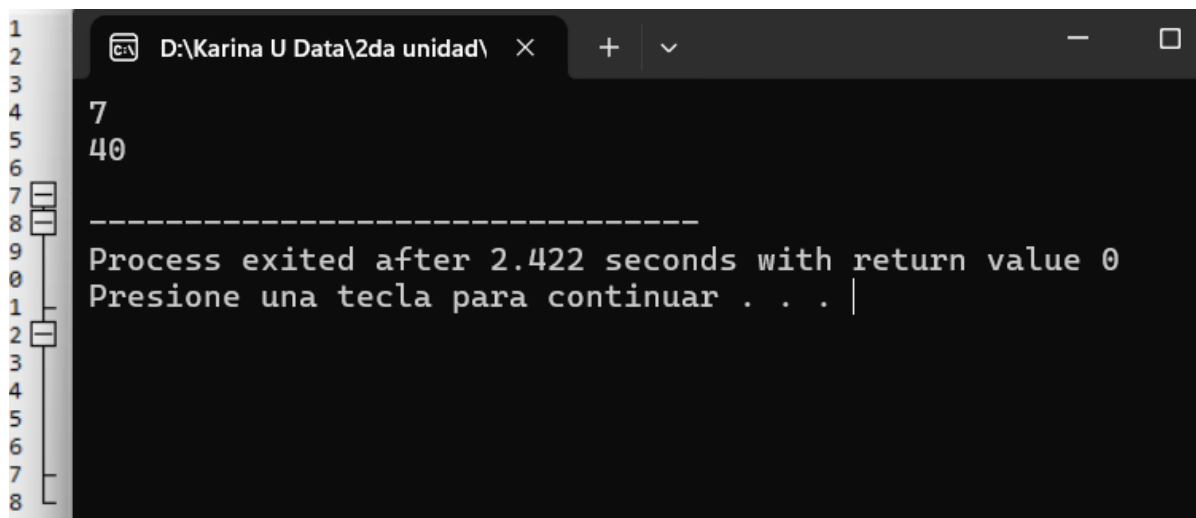


```
3
1 2 3
1 3 2
2 1 3
2 3 1
3 1 2
3 2 1

...Program finished with exit code 0
Press ENTER to exit console.
```

Figura 6:

2.2.3



```
1
2
3
4 7
5 40
6
7 -----
8 Process exited after 2.422 seconds with return value 0
9 Presione una tecla para continuar . . . |
10
11
12
13
14
15
16
17
```

Figura 7:

2.3

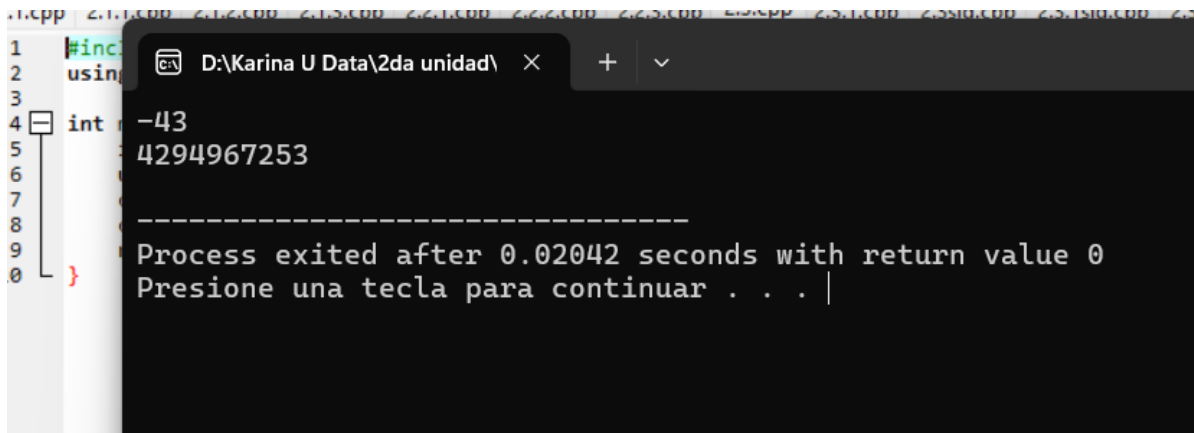


Figura 8:

2.3 continua

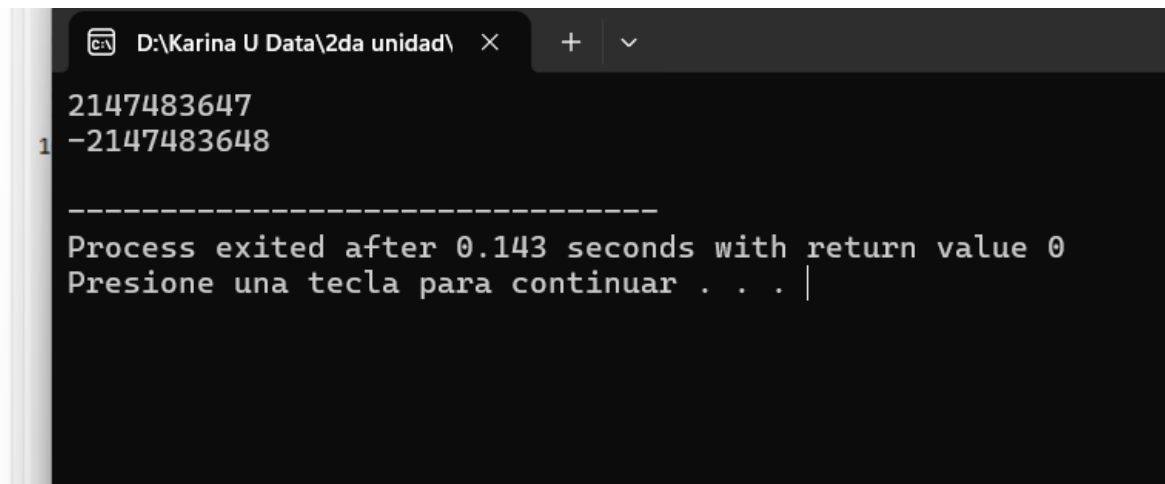


Figura 9:

2.3.1

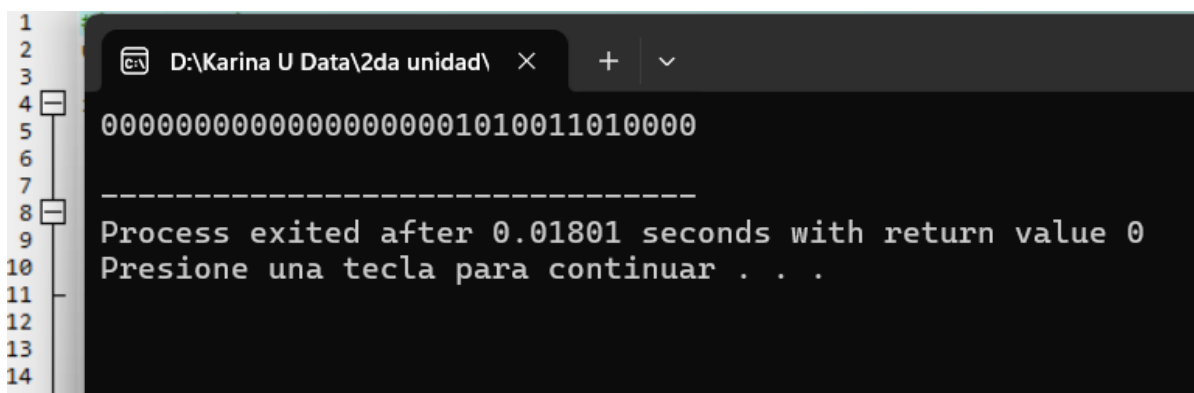


Figura 10:

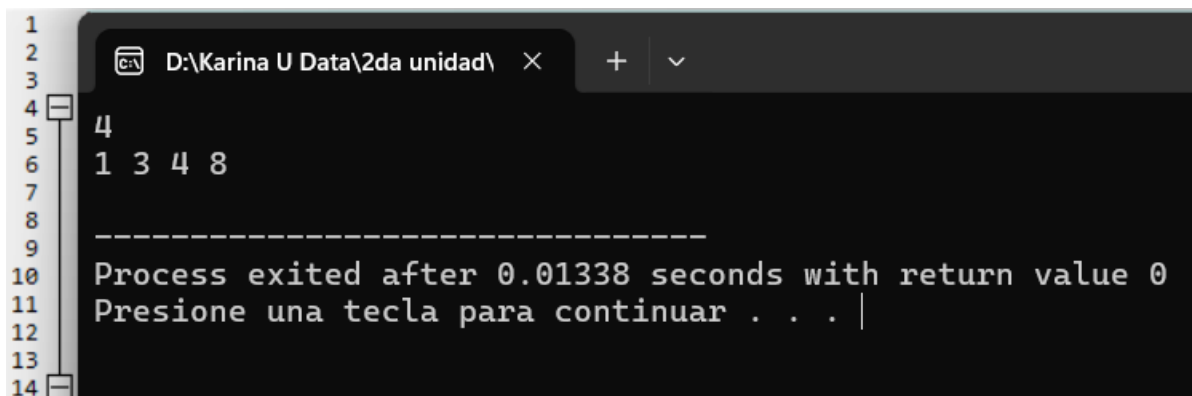
2.3.1 continuación



```
D:\Karina U Data\2da unidad\  ×  +  ▾  
19  
4  
5  
1  
  
-----  
Process exited after 0.01637 seconds with return value 0  
Presione una tecla para continuar . . . |
```

Figura 11:

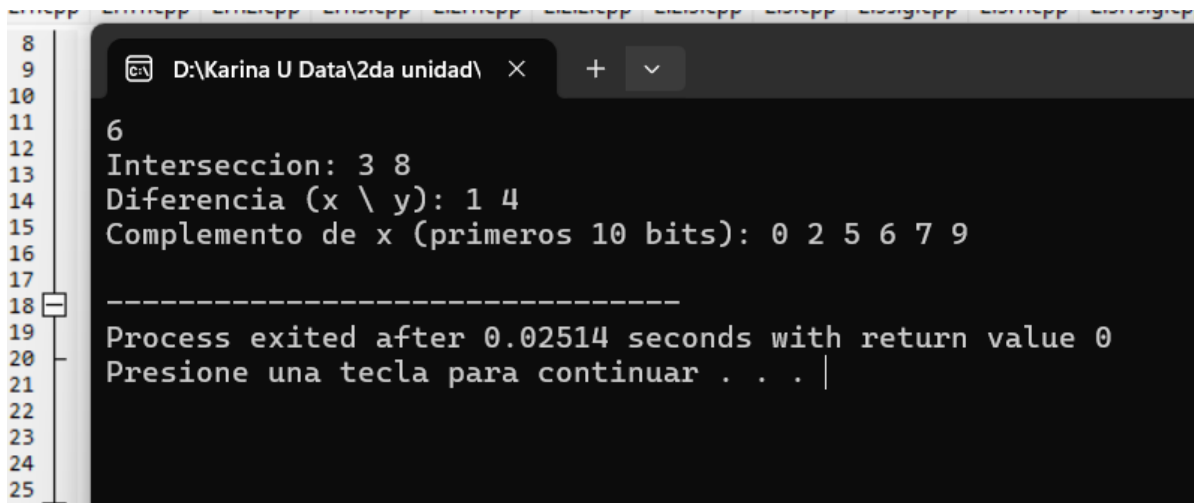
2.3.2



```
1  
2  
3  
4 4  
5  
6 1 3 4 8  
7  
8  
9 -----  
10 Process exited after 0.01338 seconds with return value 0  
11 Presione una tecla para continuar . . . |  
12  
13  
14
```

Figura 12:

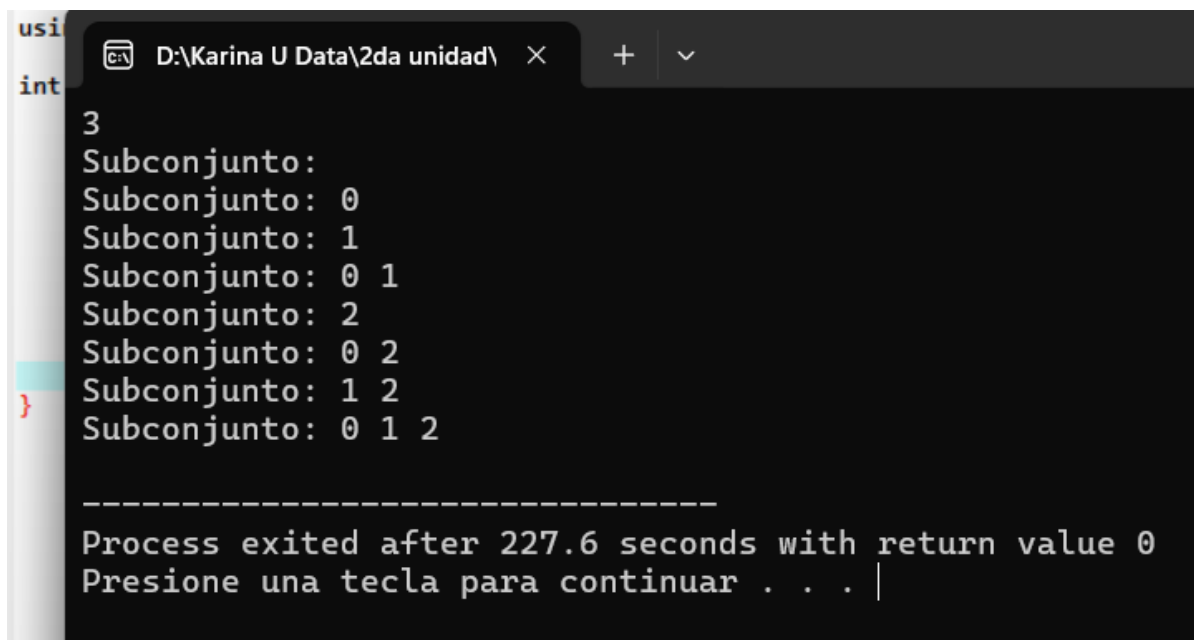
2.3.2 continuación 1



```
8
9
10
11 6
12 Interseccion: 3 8
13 Diferencia (x \ y): 1 4
14 Complemento de x (primeros 10 bits): 0 2 5 6 7 9
15
16 -----
17
18 Process exited after 0.02514 seconds with return value 0
19 Presione una tecla para continuar . . . |
20
21
22
23
24
25
```

Figura 13:

2.3.2 continuación 2



```
usi
int
3
Subconjunto:
Subconjunto: 0
Subconjunto: 1
Subconjunto: 0 1
Subconjunto: 2
Subconjunto: 0 2
Subconjunto: 1 2
Subconjunto: 0 1 2
-----
Process exited after 227.6 seconds with return value 0
Presione una tecla para continuar . . . |
```

Figura 14:

2.3.2 continuación 3

```
1
2 D:\Karina U Data\2da unidad\ × + v
3
4 Subconjunto:
5 Subconjunto: 1
6 Subconjunto: 3
7 Subconjunto: 1 3
8 Subconjunto: 4
9 Subconjunto: 1 4
10 Subconjunto: 3 4
11 Subconjunto: 1 3 4
12 Subconjunto: 8
13 Subconjunto: 1 8
14 Subconjunto: 3 8
15 Subconjunto: 1 3 8
16 Subconjunto: 4 8
17 Subconjunto: 1 4 8
18 Subconjunto: 3 4 8
19 Subconjunto: 1 3 4 8
20
-----
Process exited after 0.1068 seconds with return value 0
Presione una tecla para continuar . . . |
```

Figura 15:

2.3.2 final

```
2.1
1 D:\Karina U Data\2da unidad\ × + v
2
3 1
4 0
5 4
6
7 a: 0000100110
8 b: 0000101100
9
10 a & b: 0000100100
11 a | b: 0000101110
12 a ^ b: 0000001010
13
14 -----
15
16 Process exited after 0.1056 seconds with return value 0
17 Presione una tecla para continuar . . . |
18
19
20
```

Figura 16: