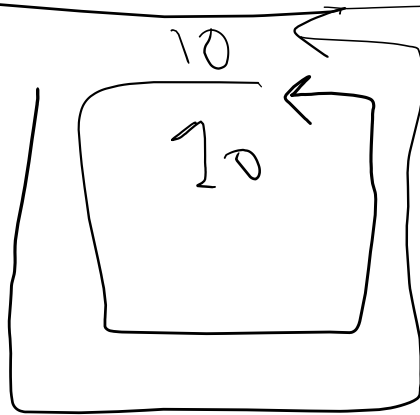


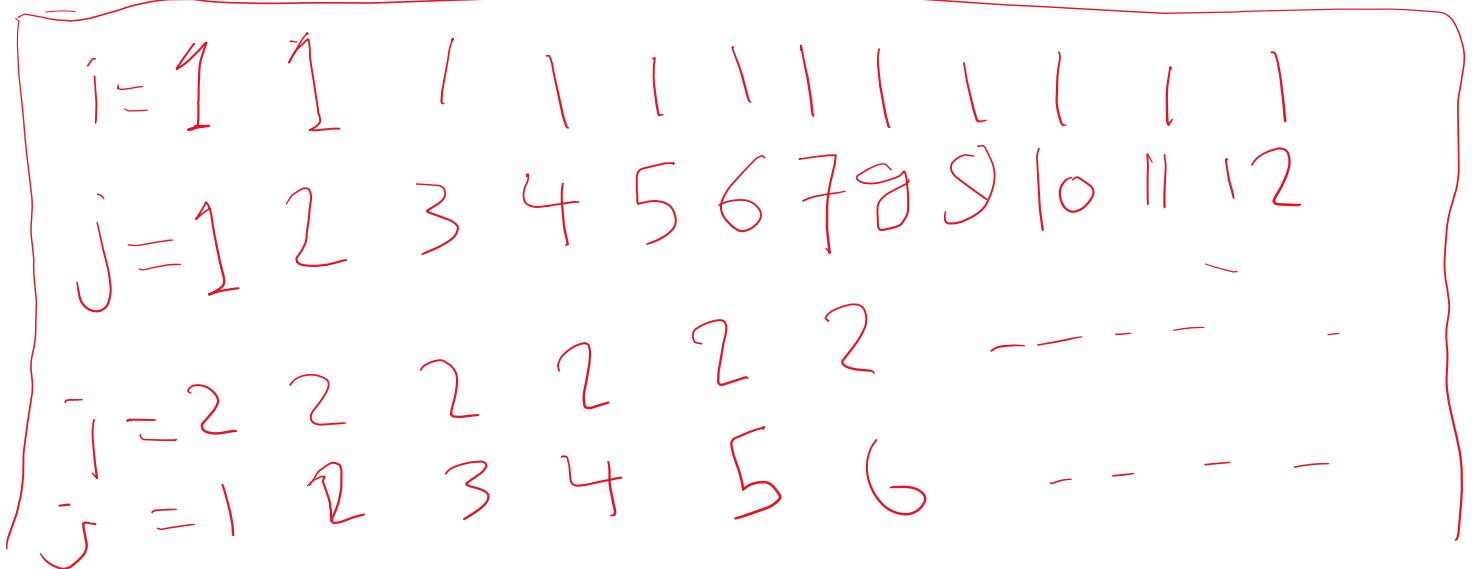
2 for 100 Ps



100 times
10 kinds of Fruit
every kind 10 times

```
main.cpp x
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      for(int i=0; i<10; i++){
8          for(int j=0; j<10; j++){
9              cout<<"Happy new Year"<<i<<":"<<j<<endl;
10         }
11     }
12 }
13
```

```
"C:\Users\THE LAPTOP SHOP\Desktop\Intro To Software Engineering\Source Code\nestedloop\bin\Debug\nestedloop.exe"
Happy new Year0:0
Happy new Year0:1
Happy new Year0:2
Happy new Year0:3
Happy new Year0:4
Happy new Year0:5
Happy new Year0:6
Happy new Year0:7
Happy new Year0:8
Happy new Year0:9
Happy new Year1:0
Happy new Year1:1
Happy new Year1:2
Happy new Year1:3
```



```
main.cpp x
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      for(int i=1;i<=12;i++){
8          for(int j=1;j<=12;j++){
9              cout<<i<<"x"<<j<<"="<<i*j<<endl;
10         }
11     }
12 }
13
```

"C:\Users\THE LAPTOP SHOP\Desktop\Intro To Software Engineering\Source Code\nestedloop\bin\Debug\nestedloop.exe"

```
1x1=1
1x2=2
1x3=3
1x4=4
1x5=5
1x6=6
1x7=7
1x8=8
1x9=9
1x10=10
1x11=11
1x12=12
2x1=2
```

Logs & others

Code::Blocks x

0 error(s), 0 warning(s)

```
main.cpp x
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      int weeks=3;
8      int days_in_week=7;
9
10     for(int i=1;i<=weeks;i++){
11         cout<<"Week:"<<i<<endl;
12         for(int j=1;j<=days_in_week;j++){
13             cout<<"Day:"<<j<<endl;
14         }
15     }
16 }
17
```

Select "C:\Users\THE LAPTOP SHOP\Desktop\Intro

```
Week:1
Day:1
Day:2
Day:3
Day:4
Day:5
Day:6
Day:7
Week:2
Day:1
Day:2
Day:3
Day:4
Day:5
Day:6
Day:7
Week:3
Day:1
Day:2
Day:3
Day:4
Day:5
Day:6
Day:7
```

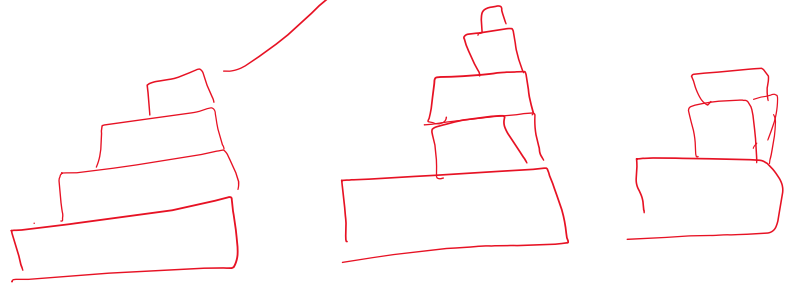
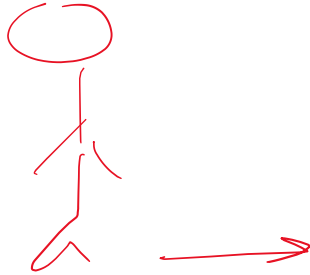
logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x Cpp

0 error(s), 0 warning(s) (0 minute(s), 6 second(s))

Makio Game

Function
[] (2)



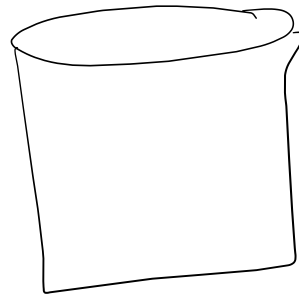
rows →

```
  *
 *
**
***
****
```

→ The First For loop

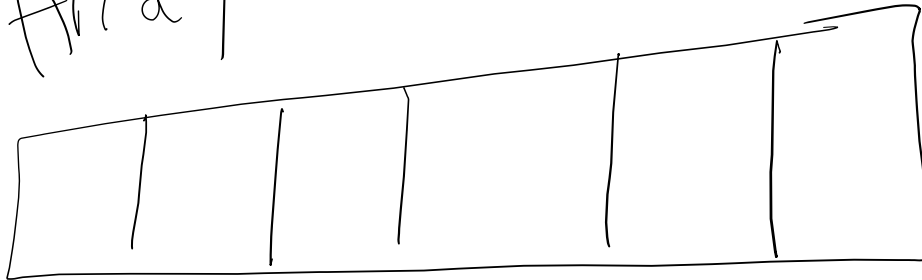
Columns → So 2nd loop

Variable
can just
store
one single
data



store is
variable

1D Array



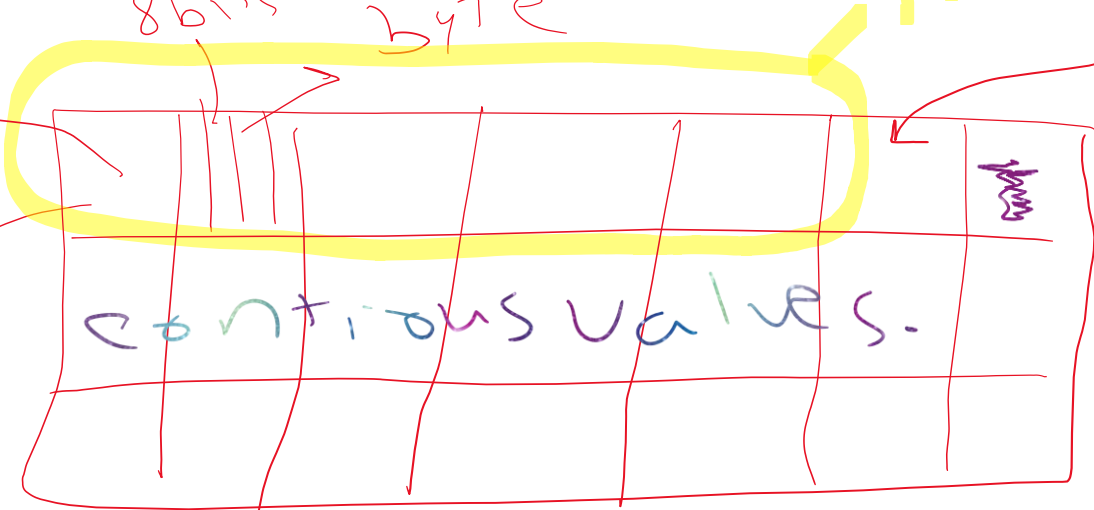
int x;

word
byte
of
more
byte

Fixed Size

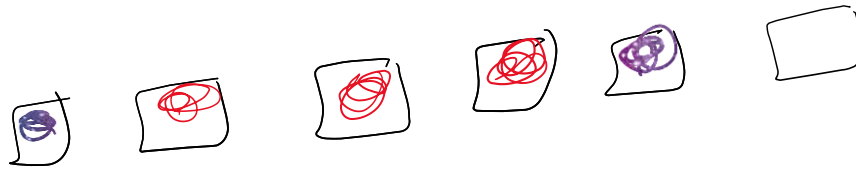
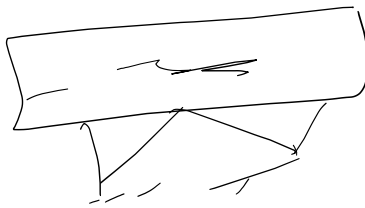
8 bits
byte

Array

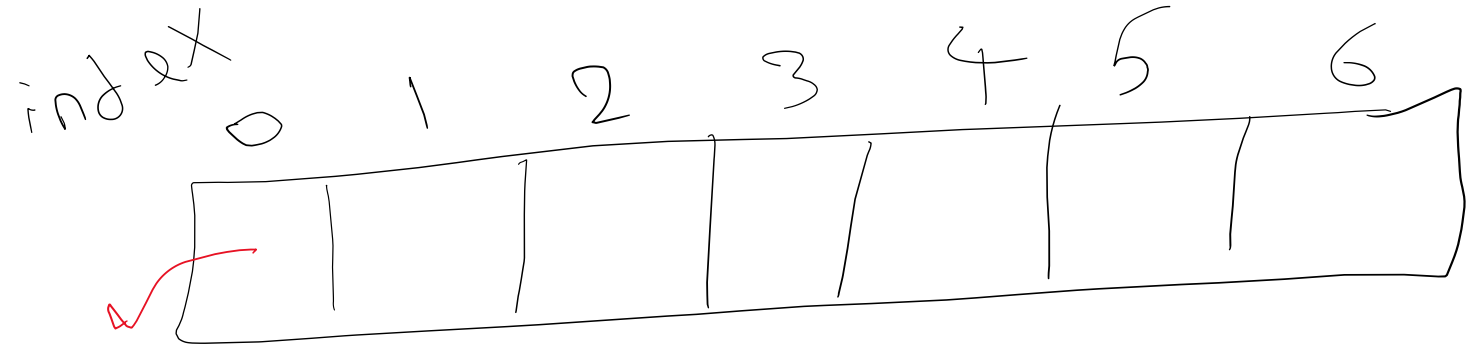


continuous values.

Cinema



Chairs



Ground

Array

→ lecture 0

char name[5];

name[0] = 'A';

name[1] = 'h';

name[2] = 'n';

name[3] = 'e';

name[4] = 'd';

Array

index → value

nwh



```
main.cpp x
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      char name[50];
7      cout<<"Enter your fullname"<<endl;
8      cin.getline(name,20);
9      cout<<"Hello,"<<name<<endl;
10 }
11
```

```
#include <iostream>
using namespace std;

int main()
{
    char name[50];
    for(int i=0; i<5; i++){
        cin>>name[i];
    }
    cout<<name;
```

Linear Search Alg. Thm

KNO CK

→ Take long time

→ can work w. th
un sorted
array