What is an array ?
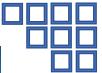
An array is a homogeneous collection of values.an array is a collection of values of the same data type.

Declaring an array

```
//Syntax1
let variable_name = [value1,value2,value3];

//Syntax2
let variable_name:[dataType;size] = [value1,value2,value3];

//Syntax3
let variable_name:[dataType;size] = [default_value_for_elements,size];
```

```
fn main(){
   let arr:[i32;4] = [10,20,30,40];
   println!("array is {:?}",arr);
   println!("array size is :{}",arr.len());
}
```

Array with loop

The iter() function fetches values of all elements in an array.

```
fn main(){
let arr:[i32;4] = [10,20,30,40];
   for val in arr.iter(){
      println!("value is :{}",val);
   }
}
```

Tuple

Tuple is a compound data type. A scalar type can store only one type of data.

```
fn main() {
   let tuple:(i32,f64,u8) = (-325,4.9,22);
   println!("{:?}",tuple);
}
```