

int

float

boolean

color

char

String

```
int[]
float[]
boolean[]
color[]
char[]
String[]
```

fibonacci 1, 1, 2, 3, 5, 8, 13, 21

```
int[] fibonacci = { 1, 1, 2, 3, 5, 8, 13, 21 };
```

int[]

Stores a list of integers

```
int[] fibonacci = { 1, 1, 2, 3, 5, 8, 13, 21 };
Or:
int[] fibonacci = new int[8]
fibonacci[0] = 1;
fibonacci[1] = 1;
fibonacci[2] = 2;
fibonacci[3] = 3;
fibonacci[4] = 5;
fibonacci[5] = 8;
fibonacci[6] = 13;
fibonacci[7] = 21;
```

String[]

Stores a list of strings

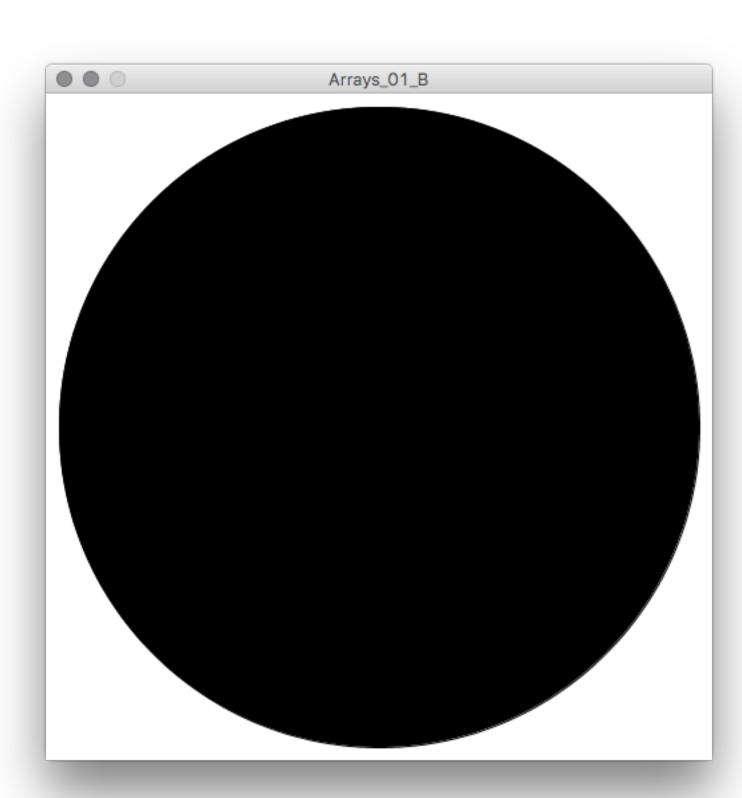
```
String[] participants = {
                                       String[] participants new String[9];
   "Ties",
                                       participants[0] = "Ties";
                                       participants[1] = "Elise";
   "Elise",
   "Michelle",
                                       participants[2] = "Michelle";
   "Dex",
                                       participants[3] = "Dex";
                                Or:
   "Thembi",
                                       participants[4] = "Thembi";
   "Freek",
                                       participants[5] = "Freek";
   "Deborah",
                                       participants[6] = "Deborah";
   "Yamil",
                                       participants[7] = "Yamil";
   "Jolie"
                                       participants[8] = "Jolie";
};
```

```
Arrays_01_A 🔻
  void setup() {
    size(500, 500);
    background(255);
 6 void draw() {
 9 void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
13 }
```







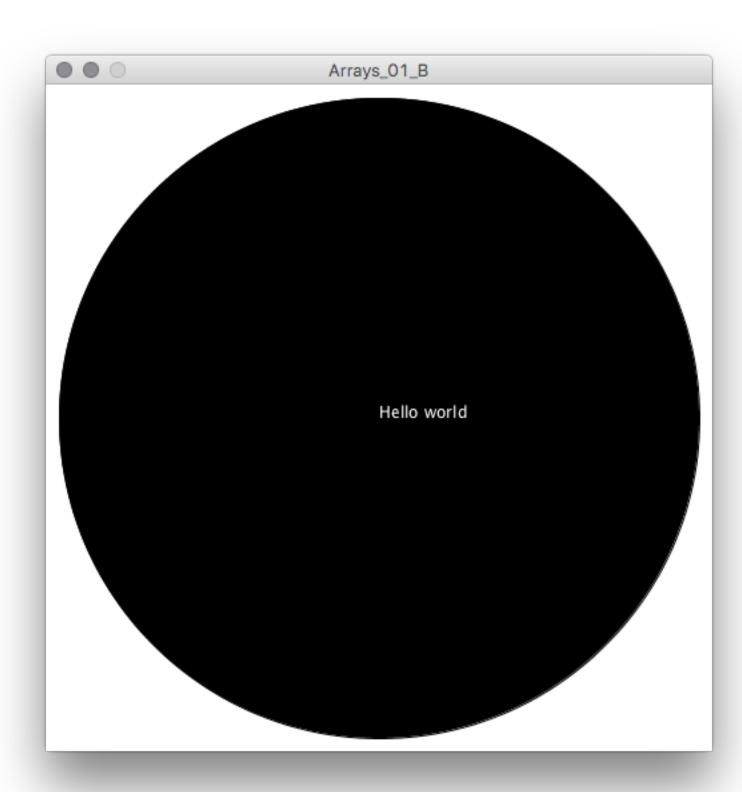


```
Arrays_01_B v
void setup() {
   size(500, 500);
   background(255);
6 void draw() {
9 void keyPressed() {
   background(255);
   fill(0);
   ellipse(width/2, height/2, 480, 480);
   fill(255);
   text("Hello world", width/2, height/2);
```

Auto Format finished.







```
Arrays_01_B 🔻
```

```
PFont myFont;
 3 void setup() {
    size(500, 500);
    background(255);
 8 void draw() {
void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
```

```
Arrays_01_B 🔻
 PFont myFont;
 3 void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
10 void draw() {
void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
```

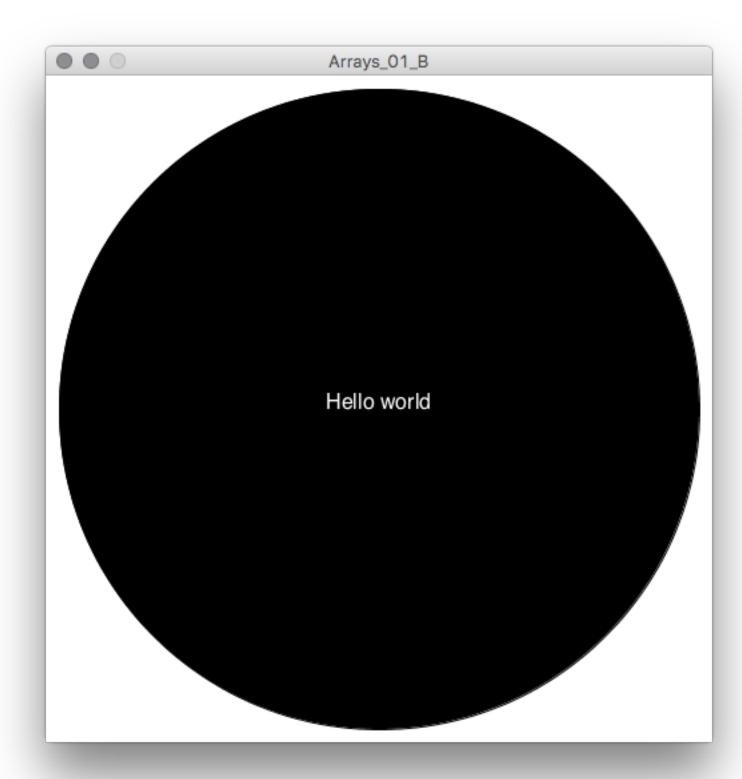
```
Arrays_01_B 🔻
 PFont myFont;
 g void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
    textFont(myFont);
void draw() {
void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
21 }
```

A Errors

```
Arrays_01_B 🔻
 PFont myFont;
 void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
    textFont(myFont);
    textAlign(CENTER);
12 void draw() {
void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
22 }
```







```
Arrays_01_C 🔻
 PFont myFont;
   String[] myAnswers;
 4 void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
    textFont(myFont);
    textAlign(CENTER);
13 void draw() {
16 void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
23 }
```





```
Arrays_01_C 🔻
 PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
    textFont(myFont);
    textAlign(CENTER);
    myAnswers = new String[3];
15 void draw() {
18 void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
25 }
```







```
Arrays_01_C V
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
    background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[3];
    myAnswers[0] = "Yes";
    myAnswers[1] = "No";
    myAnswers[2] = "Maybe";
18 void draw() {
21 void keyPressed() {
    background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     fill(255);
     text("Hello world", width/2, height/2);
28 }
```







```
Arrays_01_C 🔻
 PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
    textFont(myFont);
    textAlign(CENTER);
    myAnswers = new String[3];
    myAnswers[0] = "Yes";
    myAnswers[1] = "No";
    myAnswers[2] = "Maybe";
    println(myAnswers);
20 void draw() {
21 }
void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
    text("Hello world", width/2, height/2);
30 }
```







```
Arrays_01_C 🔻
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
     background(255);
    myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[3];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
    println(myAnswers);
    println(myAnswers[0]);
21 void draw() {
22 }
24 void keyPressed() {
    background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     fill(255);
     text("Hello world", width/2, height/2);
31 }
```



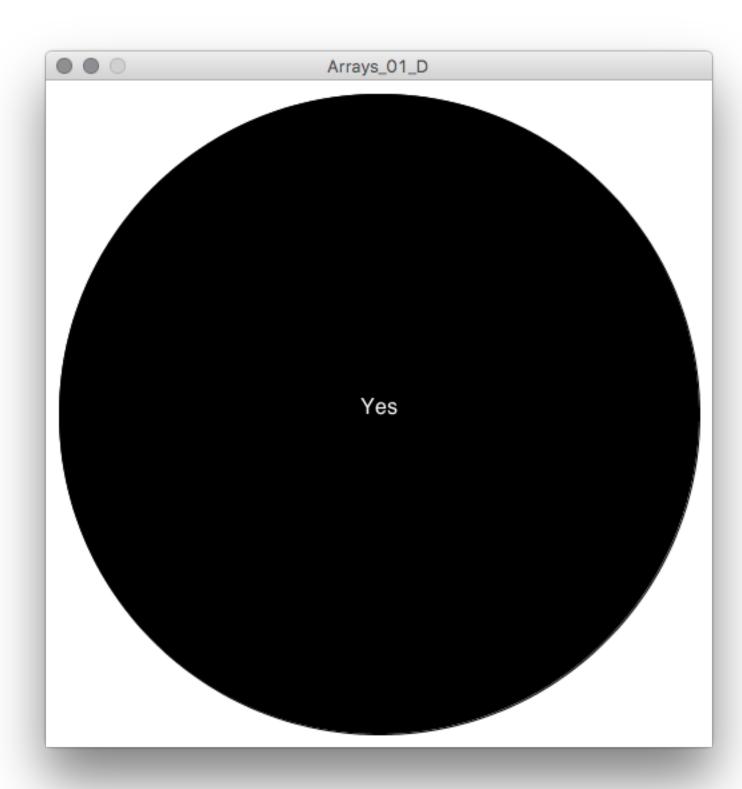


A Errors

```
Arrays_01_D 🔻
 PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
    background(255);
    myFont = createFont("Helvetica", 16);
    textFont(myFont);
    textAlign(CENTER);
    myAnswers = new String[3];
    myAnswers[0] = "Yes";
    myAnswers[1] = "No";
    myAnswers[2] = "Maybe";
    println(myAnswers);
    println(myAnswers[0]);
21 void draw() {
22 }
24 void keyPressed() {
    background(255);
    fill(0);
    ellipse(width/2, height/2, 480, 480);
    fill(255);
     text(myAnswers[0], width/2, height/2);
31 }
```







```
Arrays_01_E 🔻
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
     size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[3];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
     println(myAnswers);
     println(myAnswers[0]);
21 void draw() {
22 }
24 void keyPressed() {
     background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(3));
     fill(255);
     text(myAnswers[0], width/2, height/2);
33 }
```



```
Arrays_01_E 🔻
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
     size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[3];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
     println(myAnswers);
     println(myAnswers[0]);
21 void draw() {
22 }
24 void keyPressed() {
     background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(3));
     println(myAnswerNum);
     fill(255);
     text(myAnswers[0], width/2, height/2);
```

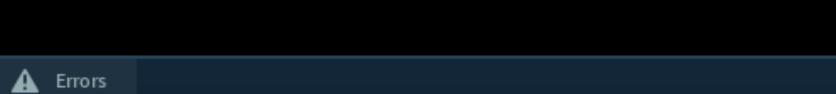
>_ Console



```
Arrays_01_E 🔻
  PFont myFont;
 2 String[] myAnswers;
   void setup() {
     size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[3];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
     println(myAnswers);
     println(myAnswers[0]);
19 }
21 void draw() {
22 }
24 void keyPressed() {
     background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(3));
     println(myAnswerNum);
     fill(255);
     text(myAnswers[myAnswerNum], width/2, height/2);
```









```
Arrays_01_F v
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[3];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
    myAnswers[3] = "Doubtful";
     println(myAnswers);
     println(myAnswers[0]);
20 }
22 void draw() {
23 }
void keyPressed() {
    background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(3));
     println(myAnswerNum);
     fill(255);
     text(myAnswers[myAnswerNum], width/2, height/2);
```

2

>_ Console



```
Arrays_01_F v
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[4];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
     myAnswers[3] = "Doubtful";
     println(myAnswers);
     println(myAnswers[0]);
20 }
22 void draw() {
23 }
25 void keyPressed() {
    background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(3));
     println(myAnswerNum);
     fill(255);
     text(myAnswers[myAnswerNum], width/2, height/2);
35 }
```

ArrayIndexOutOfBoundsException: 3

▲ Errors



```
Arrays_01_F v
  PFont myFont;
 2 String[] myAnswers;
 4 void setup() {
    size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[4];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
     myAnswers[3] = "Doubtful";
     println(myAnswers);
     println(myAnswers[0]);
20 }
22 void draw() {
23 }
void keyPressed() {
    background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(3));
     println(myAnswerNum);
     fill(255);
     text(myAnswers[myAnswerNum], width/2, height/2);
35 }
```

>_ Console



A Errors

```
Arrays_01_F v
  PFont myFont;
 2 String[] myAnswers;
   void setup() {
     size(500, 500);
     background(255);
     myFont = createFont("Helvetica", 16);
     textFont(myFont);
     textAlign(CENTER);
     myAnswers = new String[4];
     myAnswers[0] = "Yes";
     myAnswers[1] = "No";
     myAnswers[2] = "Maybe";
     myAnswers[3] = "Doubtful";
     println(myAnswers);
     println(myAnswers[0]);
20 }
22 void draw() {
23 }
25 void keyPressed() {
     background(255);
     fill(0);
     ellipse(width/2, height/2, 480, 480);
     int myAnswerNum = int(random(myAnswers.length));
     println(myAnswerNum);
     fill(255);
     text(myAnswers[myAnswerNum], width/2, height/2);
35 }
```

>_ Console





