

Sample Program 11.2

Creating Arrays

Problem statement. Write code for 4 different ways to create an array of `int` values.

Solution 1. A fixed size array, using a number

```
int scores[8];
```

Solution 2. A fixed size array, using a constant

```
const int SIZE = 8;  
int scores[SIZE];
```

Solution 3. A fixed size array, using curly-brace initialization, letting the compiler determine size

```
int scores[] = {66, 99, 52, 100, 0, 75, 77, 90};
```

Solution 4. A dynamically sized array, using a variable for size

```
int n = 25;  
int* scores = new int[n];
```