

Template Functions

Write two template functions minimum and maximum. Each function will accept two arguments, an array and the size of the array.

- Minimum template function will return the location where the value is the smallest among the array elements
- Maximum template function will return the location where the value is the largest among the array elements.

Write a driver program to test these template functions with:

1. An integer array
2. A double array
3. A string array

Example of program output:

```
***** integer array *****
```

```

56    29    10    16    85    31    55    42    19    54
63    36    91    94    96    70    27    26    16    34
59    67    81    74    11    90    65    43    86    27
```

```
Minimum value is a[2]=10
```

```
Maximum value is a[14]=96
```

```
***** double array *****
```

```

24.83    19.52    27.00    11.10    13.79
 4.01     6.24    30.04     3.32    16.27
27.78    17.37    24.05    16.18     7.45
 3.57    11.58     1.19    32.24    30.23
31.28     7.73    32.57     6.77    23.94
 9.99    24.47    20.23    27.65    28.42
```

```
Minimum value is b[17]=1.19
```

```
Maximum value is b[22]=32.57
```

```
***** words *****
```

```

good           computer science mathematics    biology           Reedley College
maximum        zoo keeper           Virginia          programming       checked
```

```
Minimum value is word[4]=Reedley College
```

```
Maximum value is word[6]=zoo keeper
```

```
Press any key to continue . . .
```