A programmer wants to utilize a variable-length array of floats where the code checks for the user trying to access the array out of bounds. So he declares a global pointer `Pdata` and a global integer `Psize`:

```c
float *Pdata = NULL; // to hold array of data
int Psize;             // size of current block
```

He then creates functions to initialize the array, to access the array, and to lengthen the array.

Provide code for the following three functions:

```c
// initializes Psize to 10 and Pdata accordingly
void initialize( )
{
}
```

```c
// changes the array value at position index if in range;
// returns true if successful and false otherwise
int set(int index, float value)
{
}
```
// doubles the size of the array (changing Pdata and Psize)
void doubleSize() {
}