

## Cpp Binary Serialization Library documentation

### Description:

- 1) This library is compatible with both C++ 17 and 20 versions.
- 2) The library serializes data in binary format.
- 3) The `SerializationBinary` class is located in the `szon` namespace.
- 4) Creating an instance of the class will look like this:  
`szon::SerializationBinary serialization;`
- 5) The `SerializationBinary` class can be inherited.

### Method description:

\*To ensure the correct operation of all methods, it is better to specify the data type when using the method, for example:

```
SerializeArrayOfData<int>(ptr_to_array, size, file_path);
```

- 1) `SerializeArrayOfData(ptr_to_array, size, file_path);`  
This method serializes an array of data, the data type of the array can be any.
- 2) `DeserializeArrayOfData(ptr_to_array, size, file_path);`  
This method deserializes the data into the array passed as the first parameter.
- 3) `SerializeData(data, file_path);`  
This method serializes a single variable, the data type can be any.
- 4) `DeserializeData(data, file_path);`  
This method deserializes the data into the variable passed as the first parameter.
- 5) `IsFileEmpty(data, file_path);`  
This method returns true if the file is empty, false if there is any data in the file.
- 6) `ResetFileReadPosition();`  
This method resets the position at which file reading starts.  
\*It should be used after deserializing all data.
- 7) `ClearFile(file_path);`  
This method erases all data from the file.

Written by b1tflyyyy.