Hello, my name is Vlad, I'm from 212-2 group and my task was to create an old but gold game – snake but the game was featured with obstacles or as an owner of a specification wrote "improved version". I've tried my best.

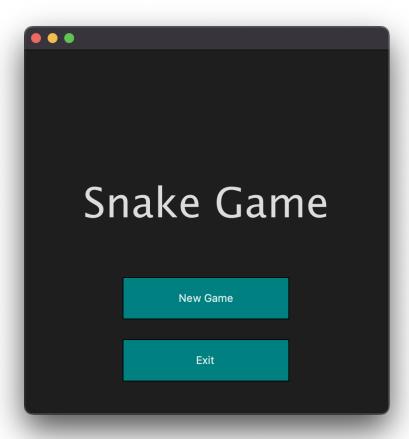
C++ was used during creation snake game, different classes, constructors of classes, for a particular object palced in the game there were created fucntions for the (for example, a head of a snake has its own class).

The rules of the game is very simple – if a snake hits obstacle or itself then the game is over, if the snake covers a full field then it is a victory and the game will be restarted. You can play this game by only 4 buttons - WASD

Overall, game was created, task achievement was completed (only God Mode wasn't understandable for me, so i couldn't made it), everything works well except that snake's frist appearance is in a fixed place. Talking about bags – there is a possibility that game can lag in one moment or the apple (points for score) van be placed in a weird place.

Besides constructing such a tremendous game, i understood that this game can be upgraded by creating different geometric objects, also we can add graphics on objects, on snake and a map.

Link for the dataset: https://www.kaggle.com/datasets/samdgafuck/snake- game-coordinates-dsba How the start of the game looks like:



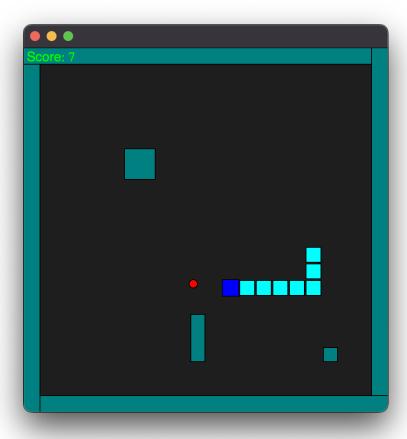
This is how the end of the game looks like:



If you won then the game will show you this page:



Gameplay looks like:



## This is an algorithm of the game:

