```
Практична робота №3 (2.1)
Завірюха Еліна
#include <iostream>
#include <vector>
#include <algorithm>
enum class Role {
  Guardian.
  Defender.
  Midfielder,
  Attacker
};
struct PlayerData {
  std::string identity;
  Role position;
  int age;
  int matchesPlayed;
  int goalsScored;
};
void eliminatePlayer(std::vector<PlayerData>& squad, const std::string&
playerName) {
  squad.erase(std::remove_if(squad.begin(), squad.end(),
     [&playerName](const PlayerData& player) {
       return player.identity == playerName;
     }), squad.end());
}
void appendPlayerBefore(std::vector<PlayerData>& squad, const std::string&
playerName, const PlayerData& freshPlayer) {
  auto iterator = std::find_if(squad.begin(), squad.end(),
     [&playerName](const PlayerData& player) {
       return player.identity == playerName;
     });
  if (iterator != squad.end()) {
     squad.insert(iterator, freshPlayer);
}
void appendPlayerAfter(std::vector<PlayerData>& squad, const std::string&
playerName, const PlayerData& freshPlayer) {
  auto iterator = std::find_if(squad.begin(), squad.end(),
     [&playerName](const PlayerData& player) {
       return player.identity == playerName;
     });
  if (iterator != squad.end()) {
```

```
squad.insert(iterator + 1, freshPlayer);
  }
}
int main() {
  std::vector<PlayerData> squad =
     {"CR7", Role::Attacker, 36, 10, 7},
     {"LM10", Role::Attacker, 34, 12, 8},
     {"Neuer", Role::Guardian, 35, 8, 0},
     {"Sergio", Role::Defender, 34, 11, 2},
     {"Luka", Role::Midfielder, 35, 7, 1},
     {"Harry", Role::Attacker, 28, 4, 3}
  };
  eliminatePlayer(squad, "Neuer"); // Removing a player named "Neuer"
  PlayerData newGuy = {"Newcomer", Role::Midfielder, 25, 3, 0};
  appendPlayerBefore(squad, "Sergio", newGuy); // Adding a new player before
"Sergio"
  PlayerData anotherGuy = {"FreshFace", Role::Defender, 22, 2, 0};
  appendPlayerAfter(squad, "LM10", anotherGuy); // Adding a new player after
"LM10"
  // Display the updated list of players
  std::cout << "Updated Squad:" << std::endl;
  for (const PlayerData& player: squad) {
     std::cout << "Name: " << player.identity << std::endl;
     std::cout << "Position: ";
     switch (player.position) {
       case Role::Guardian:
          std::cout << "Guardian";
          break:
       case Role::Defender:
          std::cout << "Defender";
          break:
       case Role::Midfielder:
          std::cout << "Midfielder";
          break:
       case Role::Attacker:
          std::cout << "Attacker";
          break:
     }
     std::cout << std::endl;
     std::cout << "Age: " << player.age << std::endl;
     std::cout << "Matches Played: " << player.matchesPlayed << std::endl;
     std::cout << "Goals Scored: " << player.goalsScored << std::endl;
     std::cout << "-----" << std::endl;
  }
```

```
return 0;
```