14/04/2025, 12:32 ComputerTest

```
package Game;
           import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
           import java.util.Scanner;
           import static org.junit.jupiter.api.Assertions.*;
private Computer computer;
private Deck deck;
                     void setUp() {
    computer = new Computer("AI Bot");
    deck = new Deck();
}
                     @Test
void testComputerPlayTurnDrawsUpToThreeCards() {
   computer.getHand().clear();
   deck = new Deck();
   while (!deck.isEmpty()) deck.draw();
   computer.playTurn(deck, new Scanner(System.in));
   assertTrue(computer.getHand().size() ≤ 3);
}
                      void testComputerPlayTurnScoreIncreases() {
                               computer.getHand().clear();
computer.getHand().add(new Card(2, Card.Suit.HEARTS));
computer.getHand().add(new Card(7, Card.Suit.CLUBS));
computer.getHand().add(new Card(10, Card.Suit.SPADES));
                               int initialScore = computer.getScore();
computer.playTurn(deck, new Scanner(System.in));
assertTrue(computer.getScore() > initialScore);
                      void testFindBestCombinationRemovesTwoCards() {
                              d testFandBestCombinationRemovesTwoCards() {
computer.getHand().lear();
computer.getHand().add(new Card(2, Card.Suit.HEARTS));
computer.getHand().add(new Card(9, Card.Suit.DIAMONDS));
computer.getHand().add(new Card(5, Card.Suit.CLUBS));
computer.getHand().add(new Card(11, Card.Suit.SPADES));
                               int handSizeBefore = computer.getHand().size();
computer.playTurn(deck, new Scanner(System.in));
int handSizeAfter = computer.getHand().size();
                               assertTrue(handSizeAfter ≤ 3 & handSizeAfter ≥ 1);
                      void testComputerTurnWithEmptyDeck() {
    while (!deck.isEmpty()) deck.draw();
                              computer.getHand().clear();
computer.getHand().add(new Card(3, Card.Suit.HEARTS));
computer.getHand().add(new Card(6, Card.Suit.DTAMONDS));
computer.getHand().add(new Card(8, Card.Suit.CLUBS));
computer.getHand().add(new Card(1, Card.Suit.SPADES));
                               computer.playTurn(deck, new Scanner(System.in));
assertTrue(computer.getHand().size() \le 3);
```