

Lab Description : Write the game logic for multi-player BlackJack. At this point, Card, , BlackJackCard, Deck, Player, and Dealer have been tested thoroughly. Now, put all of the pieces together for a complete BlackJack game with multiple players. All players including the dealer will be accessed through the players ArrayList. The dealer will be spot 0 and all other players will be in spots 1 through x.

```
public class BlackJack
{
    //must use a stack or a queue to store all of the players

    public BlackJack()
    {
        // instantiate all of your instance variables
    }

    public void playGame() {
        //all game code goes in here
    }

    public static void main( String args[ ] ) {
        BlackJack game = new BlackJack();
        game.playGame();
    }
}
```

Game logic for multiplayer Black Jack

do{

 1st - dealer shuffles the deck of cards

 2nd - loop through all of the players including the dealer
 deal each player two cards one at a time
 deal to the dealer last

 3rd - loop through the players - hit the dealer last
 print out player's hand value and cards
 while(the player wants to hit and hand value < 21)
 deal the player the next card
 print out player's hand value and cards

 4th - loop through all of the players including the dealer
 print out each player's cards and hand value

 5th - loop through all of the players including the dealer
 determine which player won

V

 6th - update the win total for the winners

}while another game is to be played

