

Documentation	5/30/2021 3:12 PM	File folder	
basic_strategy.py	5/31/2021 11:05 AM	Python File	1 KB
betting_system.py	5/31/2021 11:05 AM	Python File	2 KB
Blackjack Card Counting Chart.png	5/30/2021 3:36 PM		
Click here to open the game using a Bash Shell Script compatible with MAC and LINUX			
game.py	5/31/2021 11:05 AM		
hand.py	5/31/2021 11:05 AM	Python File	2 KB
menu.py	5/31/2021 11:05 AM	Python File	4 KB
minigame.py	5/31/2021 11:05 AM	Python File	3 KB
participant.py	5/31/2021 11:05 AM	Python File	4 KB
README.md	5/28/2021 5:27 PM	MD File	1 KB
StartGame MAC and LINUX.sh	5/31/2021 11:36 AM	Shell Script	1 KB
Startgame WINDOWS.bat	5/31/2021 11:19 AM	Windows Batch File	1 KB
visualization.py	5/31/2021 11:05 AM	Python File	2 KB

Click here on this windows batch file to open the game if you are using a standard version of windows (No bash scripting)

# Welcome to the Advanced Blackjack System

[1]: Blackjack  
[2]: Basic Strategy Practice  
[3]: Change Number of Decks  
[4]: Exit Application

Type "1" to play a normal  
game of BlackJack.

Type "2" to play a  
game to practice  
"Basic Strategy"  
card counting.

Type "4" to exit the game  
entirely.

Type "3" To change the  
number of decks used for  
the game.

Player's Balance: \$1000

Enter an amount to bet:

Enter an integer between 1-1000.

If you win, you get 2x the amount back  
to play again.

Dealer's Upcard



Your Goal is to beat the dealer's hand without going over 21

Hitting allows you to add another card to your hand increasing the value but is dangerous as you may go over 21

Player's Hand Value: 7



Player's Balance: \$0

Standing makes you stay at your current hand value without adding any more cards

Double allows you to double your bet and hit only once.

H - Hit   S - Stand   D - Double   P - Split

If you have matching cards you can split your hand into two.

Additionally: (added to gui on next version)  
You can press "B" to show you the recommended move.  
You can press "O" to show you the distribution of cards.

Dealer's Hand Value: 24



Player's Hand Value: 16



The Player Wins!  
Play Again? Y/N

Regardless if the player wins or loses a prompt appears asking the player if they want to play again.

Player's Balance: \$0

Insufficient Funds!

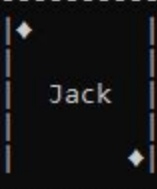
Press ENTER to exit to the main menu...

If you run out of funds don't worry! There is a way to replenish your funds while teaching you a more optimized method to play!

# Welcome to the A

[1]: Blackjack  
[2]: Basic Strategy Practice  
[3]: Exit Application  
2

Go to the "Basic Strategy Practice" mode of the game in order to practice and gain more funds to use in the normal blackjack game



Player's Hand Value: 10



H - Hit, S - Stand, D - Double, P - Split

This mode isn't about WINNING the hand, it's about playing the best possible move for the given scenario.

This hand's best move is to DOUBLE, but that might not seem immediately obvious. So, included in the game files is a chart of the strategy used in this game.

The chart is also pictured below.

		Dealer's Up Card									
		2	3	4	5	6	7	8	9	10	A
← Your Hand →	17+	S	S	S	S	S	S	S	S	S	S
	16	S	S	S	S	S	H	H	H	H	H
	15	S	S	S	S	S	H	H	H	H	H
	14	S	S	S	S	S	H	H	H	H	H
	13	S	S	S	S	S	H	H	H	H	H
	12	H	H	S	S	S	H	H	H	H	H
	11	D	D	D	D	D	D	D	D	D	H
	10	D	D	D	D	D	D	D	D	H	H
	9	H	D	D	D	D	H	H	H	H	H
	5-8	H	H	H	H	H	H	H	H	H	H
	A 8-10	S	S	S	S	S	S	S	S	S	S
	A, 7	S	D	D	D	D	S	S	H	H	H
	A, 6	H	D	D	D	D	H	H	H	H	H
	A, 5	H	H	D	D	D	H	H	H	H	H
	A, 4	H	H	D	D	D	H	H	H	H	H
	A, 3	H	H	H	D	D	H	H	H	H	H
	A, 2	H	H	H	D	D	H	H	H	H	H
	A,A 8,8	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
	10, 10	S	S	S	S	S	S	S	S	S	S
	9, 9	SP	SP	SP	SP	SP	S	SP	SP	S	S
	7, 7	SP	SP	SP	SP	SP	SP	H	H	H	H
	6, 6	SP	SP	SP	SP	SP	H	H	H	H	H
	5, 5	D	D	D	D	D	D	D	D	H	H
	4, 4	H	H	H	SP	SP	H	H	H	H	H
	3, 3	SP	SP	SP	SP	SP	SP	H	H	H	H
	2, 2	SP	SP	SP	SP	SP	SP	H	H	H	H
		2	3	4	5	6	7	8	9	10	A

BlackjackClassroom.com

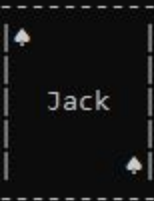
HIT
STAND
DOUBLE DOWN
SPLIT

if doubling down after splitting is not allowed, then just hit the following:  
 2,2 and 3,3 vs. 2 and 3    4,4 vs. 5 and 6    6,6 vs. 2





Player's Hand Value: 20



H - Hit, S - Stand, D - Double, P - Split

S  
Correct!

Play Again? Y/N

If you win you get \$100 to use for betting  
in the normal game! Have fun learning  
how to become a card shark!