Black Jack 21

for
# TI Voyage 200 / TI-89 Titanium
by Govs

Table of Contents

Summary

This is yet another black jack for the TI calculators voyage 200 and 89-titanium, though I tried to add some features like select the number of decks from 1 to 8 for playing, also you can double and split(but only once),ties and surrender is allowed. There might be some bugs and wrong implementations (I told them not to let me program). I have make another version that fixes some flaws with the score in the v200 and the payments, this is version 1.1 cause, previous version is not indicated but it was 1.0.

Installation

You must copy the archive bj21.v2z or bj21.89z depending on your calculator model, to any folder of the calculator, it also works with pedrom os. After copy it you must not archive or lock the variable, otherwise your record,name and settings will not be stored, I recommend to make backups of the variable on a computer regularly.
To start playing you just have to go to the folder were you installed the archive and then you type bj21().
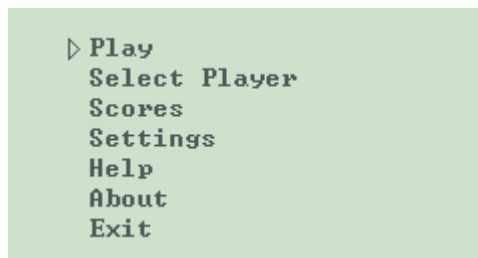
Illustration 1: game menu

Play

The first step is to make a bet, you start with $100 and if you lose all your money you are given another $100, if you don't make a bet or it is less than zero then the default bet is 10% of your money.

Then the initial cards are given, the dealer begins with two cards one of them hidden,and you are given two cards, at this stage you can either hit,double,stand or surrender. If you make a 21 with your first two cards (a blackjack) and unless the dealer also make a 21, then you win three times your bet (house pays 3:1), this is not available in split mode. At this stage you can exit pressing the "ESC" key.

- Hit

When you press "h" or "f1" you will receive a card from the deck.

- Double

When you press "d" or "f2" your bet will be simply doubled it means you can either win and lose that amount and you will receive another card and the stand automatically, and you can only double when you have enough money.
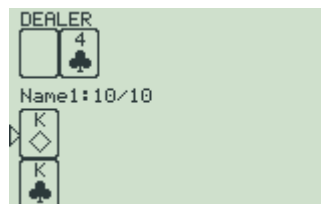
- Stand

When you press "enter" or "f5" then you will no t receive any more cards and the dealer will reveal his hidden card and will try to win or tie you.

- Surrender

When you press "e" or "f3" then you will lose half your bet and you can still see the cards to know whether you would have won or lost.

- Split

When you press "s" or "f4" and you have two initial card with the same weight (number) then you get into split mode. You must use the arrows to select which of your two hands you want to hit or double, you can also surrender and when you stand it is for both hands. When you double you receive another card in your current hand and then stand.


Illustration 2: split mode

After the player stands (pressing Enter or F1) then the Dealer reveals his hidden card and will play his cards trying to tie or win you,when the dealer finishes (within approximately 1 second) then a message will appear saying the status of the current game, it can be "Tie","Won", or "Lost"/"Busted", when the game is split-ed then this message appears twice. You must press any key to continue.

Message	Payment
TIE	One and a half of your bet
WON	Two times your bet (2 : 1)
LOST / BUSTED	Pays nothing
SURRENDER	Gives 50% of your bet back (1 : 2)

After the message the cards will appear again in case you want to review them and a bullet in form of a triangle will appear next to the player's cards, you can move it with the key arrows and in case a hand has more than 7 (for 89-titanium) or 11 (for voyage 200) which is unlikely but can happen(like 15 aces or something) then you can move the horizontal key arrows ← → to see the cards. You have to press "ENTER" or "F5" to continue or "ESC" to exit.
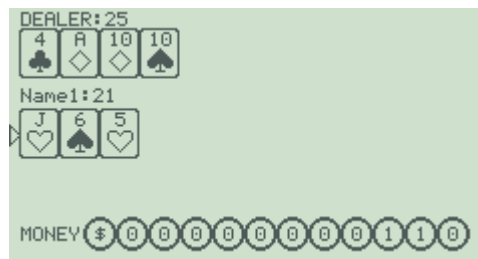
Illustration 3: cards in v200

Your balance is shown below the cards in the case of the v200 and with a message in ti89-titanium.

Finally you will see the decks that were used in the previous game, the decks are shuffle each time a new game begins, and if you don't want to see the decks you can deactivate this feature in the "Settings" sub menu. For the ti89 a single deck is shown in two screens so you have to press the vertical arrows to see the whole deck.
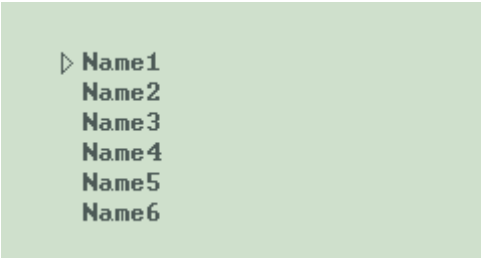

Illustration 4: deck in v200

Select players

This option allows to set up to 10 players, each one with his own money balance.
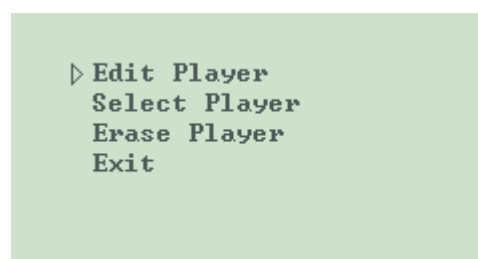
Illustration 5: select player menu

- *Edit Player*

Here you must press enter to Edit a new name player, default players are Name1...Name10

Illustration 6: edit player

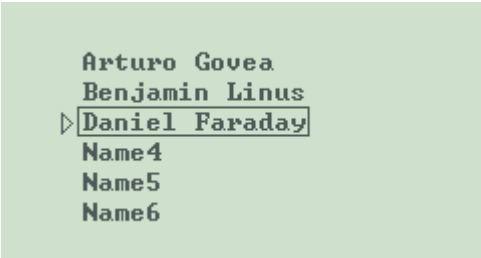Then you are prompted to enter a Name, the size of the Names are up to 20 in the v200 and 15 in 89-titanium:
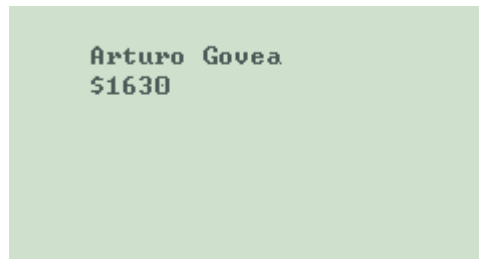

Illustration 7: enter name

- *Select Player*

The current player must be selected in this menu, you just have to press the arrows and then hit 'ENTER', if you don't press 'ENTER' and instead press 'ESC' the selection will not be saved, the current player is highlight with a marquee.

Illustration 8: select player

In this menu you can see the money of the player by pressing "m" or F5:

```
Arturo Govea
$1630
```

Illustration 9: money

- *Erase Player*
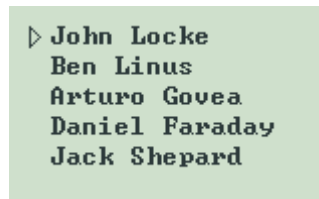
When a player is erased his name is set to Name# with the corresponding index,and his money is set to 100.

```
Erase Arturo Govea ?
▷ Yes
  No
```
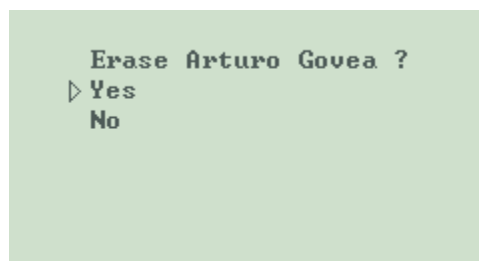
Illustration 10: erase player
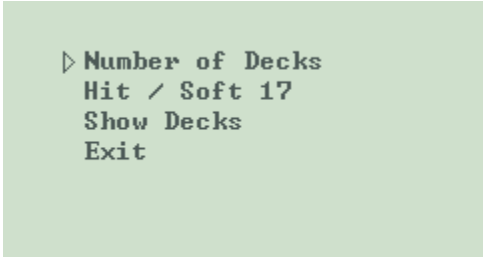
Scores

This menu you use ENTER to see a score and ESC to quit the menu. The 5 higher scores will be saved and shown in this menu.
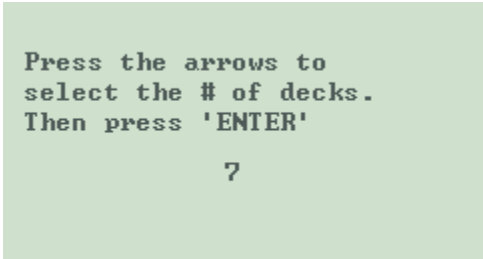
```
▷ John Locke
  Ben Linus
  Arturo Govea
  Daniel Faraday
  Jack Shepard
```

Illustration 11: scores

Settings

Illustration 12: settings menu

- *Number of Decks*

Here you press the arrows to select the number of decks that will be used for playing, from 1 to 8 decks, with 52 cards each, the loading bar will appear and will late more time according to the number of Decks it will take the same amount of time each time you launch the game again, so be patient and wait the program to finish it will exit to the settings menu, anyway you can press "ESC" to exit number of deck and return to the previous menu.
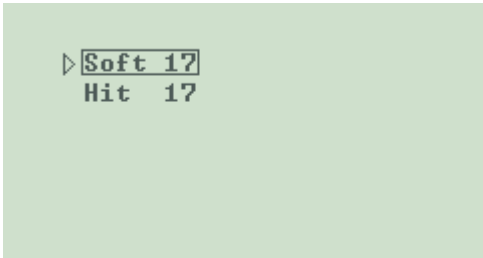

Illustration 13: number of decks

- *Soft/Hit 17*

This option is for the soft 17 mode that some casinos implement, and it consist in the following, when the dealer has any combination of an Ace and 6 the it can either hit or stand and that hand, when you select "Soft 17" it will stand (that gives a little advantage to the player), if you select "Hit 17" the dealer will deal normally. There is not "ESC" option in this menu, you select the mode and then it exits.
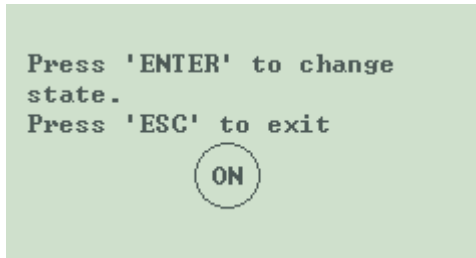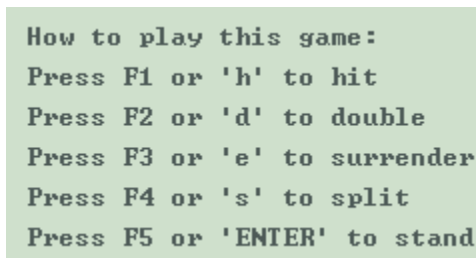

Illustration 14: soft17 mode

- *Show Decks*
  After each game the decks that were used are shown, just to assure that the dealer didn't cheat, it can be disable in this menu, the instructions are included in this menu.
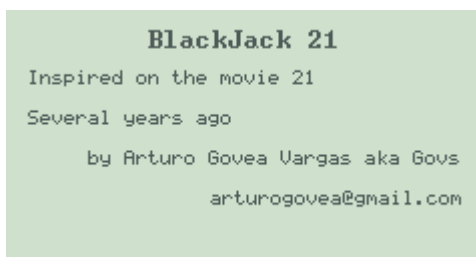

Illustration 15: show cards

Help

This menu shows a little guide for playing.

Illustration 16: help

About

Illustration 17: about

Exit

Whenever you want to exit the game use this option or use "ESC".