```
In [17. # Author Rose: Wilson Wong # Student ID: 29704354 # S Covertion Date: 11 Spg 1023 # S Covertion Date: 11 Spg 1023 # S Covertion Date: 12 Spg 1023 # D Excription:

# Birth program is a card game with one player against a robot.
# Cards one when from a customized deck.
# Cards one when from a customized deck as specific rules to
# Stateration a winner of the round.
# Video Link: https://putu.bo/TdY815050469

In [18. # Video Link: https://putu.bo/TdY815050469
```

Task 1. Game menu function

```
In [188. def game.menu(bool_flag, suit_types):

Display the game menu.

Parameter:

- bool_flag (boolamn): A flag indicating whether the game has started
( a wit has been cheem).

- suit_types (list): A list of the suit types.

Returnes:

- None: No value is returned.

If the game has started, it will only display the menu options.

If the game has started, it will only display a welcome message and unit types in choose from a well as the menu options.

If the game has not rarrete, it will only display a welcome message and unit types in choose from a well as the menu options.

If bool_flag = relate:
count * .1

print("The following are available types of suits to select from:")

for suit is suit_types:
    print("The following are available types of suits to select from:")

print("The following are available type of suits to select from:")

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```

Task 2. Create Deck function

```
def create deck (deck, suits, values):

Create a deck of cards by combining suits and values.

Farameters:

- deck (1st); A list of cards.

- values (1st); A list of card values.

Returns:
- hone: no value is returned.

This function combines suits and values together to make a card which is then populated into the deck.

- for suit in suits:
- for value is values:
- for value is values:
- deck. append(str(suit):str(value))
- print(""" book has been created(""")
```

Task 3. Shuffle Deck function

```
In [132].

Shoffle the deck of cards with specific rules.

Promoter:

- deck ([1815]). A last of cards.

- waits ([1815]). A last of card with.

- waits ([1815]). A last of card with.

- waits ([1815]). A last of card with.

- None: No value is returned.

This function shuffles the cards within the deck.

As certain defined cards need to be in a specific position, it first removes them from the list before shuffling. A' of the first unit in "waits" is then inswreds as the first two, '' of the second unit. In "waits" is then inswreds as the first two, '' of the second unit as last card.

| last card.
| global_global_first = waits[0] = '**

| global_global_first = waits[0] = '**

| global_first = waits[0] = '**

| global_ground = waits[1] = '**
```

Task 4. Pick Card function

Task 5. Show Cards function

Task 6. Check Result function

```
val = []
unique = set()
occurance = []
        for card in cards:
    if start_end -- "start":
        val.append(card[0:1])
    elif start_end -- "end":
        val.append(card[1:])
         for item in val:
unique.add(item)
        Parameters:
- cards (list): A list of cards.
         Returns: - float: If card is not empty, return the average. - int: If card is empty, return \theta
          for card in cards:
item = card[1:]
            if item = 'A':
   item = '1'
if item = 'Q':
   item = '12'
if item = 'K':
   item = '13'
total = total + int(item)
       if count > 0:
    return float(total)/float(count)
else:
    return 0
```

Task 7. Play Game function

```
Runs the game
     Parameters:
- No parameters are required.
          Returns:
- None: No value is returned.
          This function calls all other functions to create a card game. 
Functions include game_menu_create_deck, shuffle_deck, pick_card, show_card and check_results. User inputs are captured to decide on the next action until the game is exited by choice of the player.
extred by choice of the player.

deck = []

subsets = [22, 33, 42, 53, 56, 57, 58, 58]

sufficient = [22, 33, 42, 53, 56, 58, 58]

sufficient = [23, 33, 42, 58, 58, 58]

sufficient = [32, 33, 58, 58, 58]

sufficient = [32, 33, 58, 58]

sufficient = [32, 33, 58, 58]

sufficient = [32, 33, 58, 58]

round_count = 1

global_first = "global_inodite = "globa
                def round_end(player_cards, robot_cards, suits)

"""

Displays the end of the round results.
                                                     Parameters:
- player_cards (list): A list of cards held by the player - robot_cards (list): A list of cards held by the robot. - suits (list): A list of card suits.
                                                                This function displays the player's cards, the robot's cards, and the result of winning or losing to the player.
                                     we result of winning or losing to the player.

print("\univer Player ***)

bloom, cardo (labor, cardo)

show cardo (labor, cardo)

show cardo (robot, cardo)

print(")

if print("\univer Player cardo, robot, cardo, suits) -- True:

class:

     print("Round: " + str(round_count) +"\n")
while flag_exit == False:
                                                     game_menu(flag_start, suit_types)
selection = input("\nPlease enter your selection: ")
                                           pame_mmm(lag_start, suit_yppe)

pame_mmm(lag_start = raise:
    if flag_start = raise:
    if les(abection) = 3 amd selection[2] == 1 ':
    if les(abection) = 3 amd selection[2] == 1 ':
    if les(abection) = 3 amd selection[2] == 1 ':
    if les(abection) = 1 ':
    if les(abection) =
```

```
suits = suit_types(e)
create_dex(dext, suits, values)
shaffs_dex(dext, suits, values)
shaffs_dex(dext, suits, values)
shaffs_dex(dext, suits)
elif salection[:] == '6':
print(""" First has existed the game! ****)
print(""" First has existed the game! ****)
else:
el
```

Please enter your selection: 6
*** Player has exited the game! ***