```
import random
In [1]:
        suits=('Hearts','Diamond','Spade','cluds')
        ranks=('One','Two','Three','Four','Five','Six','Seven','Eight','Nine','Ten','Jack','Ki
        values={'One':1,'Two':2,'Three':3,'Four':4,'Five':5,'Six':6,'Seven':7,'Eight':8,'Nine'
In [2]: class Card:
            def __init__(self,suit,rank):
                self.suit=suit
                self.rank=rank
                self.value=values[rank]
            def __str__(self):
                return f'{self.rank} of {self.suit}'
        mycard=Card('Hearts','One')
In [3]:
In [4]: print(mycard)
        One of Hearts
        class Deck:
In [5]:
            def __init__(self):
                self.all_cards=[]
                for suit in suits:
                     for rank in ranks:
                         creat card=Card(suit,rank)
                         self.all cards.append(creat card)
            def shuffle(self):
                random.shuffle(self.all cards)
            def deal with one(self):
                return self.all cards.pop()
        deck_one=Deck()
In [6]:
        mycard=deck_one.deal_with_one()
In [7]:
        mycard.value
Out[7]:
In [8]: class Player:
            def __init__(self):
                self.all_cards=[]
            def add_on(self,card):
                if type(card)==type([]):
                     self.all_cards.extend(card)
                 else:
                     self.all_cards.append(card)
            def str (self):
                return f'{self.name} has {len(self.all_cards)} cards'
```

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myplayer=Player()
 In [9]:
In [10]:
          myplayer.add_on(mycard)
In [ ]:
In [13]:
          #Game
          print('Welcome to the game\n')
          human player=Player()
          New_deck=Deck()
          New deck.shuffle()
          computuer_delar=Player()
          player1=[]
          computer1=[]
          new_bank=Bank()
          sum player=0
          sum com=0
          while True:
              chips=int(input('How many chips do you want to bet'))
              if(chips<=new bank.balance):</pre>
                  break
              else:
                  print("your are betting more than your balance" )
          print('\nHuman player cards are:')
          for mycard in range(2):
              mycard=New_deck.deal_with_one()
              print(mycard)
              player1.append(mycard)
              sum palyer=sum player+mycard.value
          print('\nComputer palyer card is:')
          com card=New deck.deal with one()
          print(com card)
          computer1.append(com_card)
          sum_com=sum_com+com_card.value
          com card=New deck.deal with one()
          print('<closed card>')
          computer1.append(com_card)
          sum com=sum com+com card.value
          game_on=True
          print('\nHuman Player turn\n')
          while True:
              print('Enter hit if you want to hit or Enter skip if you want to skip')
              result = input('Do you want to Hit')
              if result=='hit':
                  mycard=New deck.deal with one()
                  player1.append(mycard)
                  sum_player=sum_player+mycard.value
                  if sum_player>21:
                      print(f'Human Player sum is greater than 21 that is {sum_player}')
                      print('Human Player lost the game')
                      new_bank.win_game(chips)
                      game_on=False
                      break
              else:
                  break
```

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if game_on:
              print('computer turn\n')
              result2=random.randint(1,3)
              for i in range(result2):
                  com card=New deck.deal with one()
                  computer1.append(com_card)
                  sum com=sum com+com card.value
              if (sum_com>sum_player) and sum_com<21:</pre>
                  print(f'Computer game is less than 21 {sum_com}')
                  print('Computer won')
                  new_bank.lost_game(chips)
              if sum com>21:
                  print(f'Computer player is greater than 21 that is {sum_com}')
                  print('Human player won')
                  new_bank.win_game(chips)
          print('\ngame ends\nThanks for playing')
         Welcome to the game
         How many chips do you want to bet5
         Human player cards are:
         Ace of cluds
         Five of Hearts
         Computer palyer card is:
         Four of Spade
         <closed card>
         Human Player turn
         Enter hit if you want to hit or Enter skip if you want to skip
         Do you want to Hithit
         Enter hit if you want to hit or Enter skip if you want to skip
         Do you want to Hitscape
         computer turn
         Computer player is greater than 21 that is 27
         Human player won
         player left with 105 chips
         game ends
         Thanks for playing
In [48]:
          result=random.randint(1,3)
In [49]:
          result
Out[49]:
In [12]:
          class Bank:
              def init (self):
                  self.balance=100
              def lost_game(self,chips):
                  self.balance-=chips
                  print(f'player left with {self.balance} chips' )
              def win_game(self,chips):
```

	<pre>self.balance+=chips print(f'player left with {self.balance} chips' )</pre>
In [ ]:	
In [ ]:	
In [ ]:	