In [1]:
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import random

MAX_LINES = 3
MAX_BET = 100
MIN_BET = 1

ROWS = 3
COLS = 3

symbol_count = {
    "A":2,
    "B":4,
    "C":6,
    "D":8
}

symbol_value = {
    "A":5,
    "B":4,
    "C":3,
    "D":2
}


def check_winnings(columns,lines,bet,values):
    winnings=0
    winning_lines = []
    for line in range(lines):
        symbol = columns[0][line]
        for column in columns:
            symbol_to_check = column[line]
            if symbol != symbol_to_check:
                break
        else:
            winnings += values[symbol] * bet
            winning_lines.append(line + 1)
    return winnings,winning_lines



def get_slot_machine_spin(rows,columns,symbols):
    all_symbols = []
    for symbol,symbol_count in  symbols.items():
        for _ in range(symbol_count):
            all_symbols.append(symbol)

    columns = []
    for _ in range(COLS):
        column = []
        current_symbols = all_symbols[:]
        for _ in range(ROWS):
            value = random.choice(current_symbols)
            current_symbols.remove(value)
            column.append(value)

        columns.append(column)
    return columns


def print_slot_machine(columns):
    for row in range(len(columns[0])):
        for i, column in enumerate(columns):
            if i != len(columns) - 1:
                print(column[row], end= "|")
            else:
                print(column[row],end=" ")
        print()


def deposit():
    while True:
        amount = input("what would you like to deposit?$")
        if amount.isdigit():
            amount = int(amount)
            if amount>0:
                break
            else:
                print("Amount must be greater then zero.")
        else:
            print("Please enter a number.")
    return amount


def get_number_of_lines():
    while True:
        lines = input("enter number of lines to bet on (1-" + str(MAX_LINES) + ")? ")
        if lines.isdigit():
            lines = int(lines)
            if 1 <= lines <= MAX_LINES:
                break
            else:
                print("enter a valid number of lines.")
        else:
            print("Please enter a number")
    return lines


def get_bet():
    while True:
        amount = input("what would you like to bet on each line?$")
        if amount.isdigit():
            amount = int(amount)
            if MIN_BET <= amount <= MAX_BET:
                break
            else:
                print(f"Amount must be between ${MIN_BET} - ${MAX_BET}.")
        else:
            print("Please enter a number.")
    return amount


def spin(balance):
    lines = get_number_of_lines()
    while True:
        bet = get_bet()
        total_bet = bet*lines
        if total_bet > balance:
            print(
            f"You do not have enough to bet that amount, your current balance is: ${balance}")
        else:
            break

    print(f"You are betting ${bet} on {lines} lines. Total bet is equal to: ${total_bet}")

    slots = get_slot_machine_spin(ROWS,COLS,symbol_count)
    print_slot_machine(slots)
    winnings,winning_lines = check_winnings(slots,lines,bet,symbol_value)
    print(f"You won ${winnings}. ")
    print(f"You won on lines:",*winning_lines)
    return winnings - total_bet



def main():
    balance = deposit()
    while True:
        print(f"current balance is ${balance}")
        answer= input("Press enter to play(q to quit).")
        if answer=="q":
            break
        balance += spin(balance)
    print(f"You left with ${balance}")



main()
```

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what would you like to deposit?$100
current balance is $100
Press enter to play(q to quit).
enter number of lines to bet on (1-3)? 2
what would you like to bet on each line?$20
You are betting $20 on 2 lines. Total bet is equal to: $40
C|A|C
A|D|C
D|B|B
You won $0.
You won on lines:
current balance is $60
Press enter to play(q to quit).
enter number of lines to bet on (1-3)? 1
what would you like to bet on each line?$20
You are betting $20 on 1 lines. Total bet is equal to: $20
C|D|D
D|C|D
D|C|D
You won $0.
You won on lines:
current balance is $40
Press enter to play(q to quit).q
You left with $40
```

In [ ]: