Orange = Declares

Green = Switch

Blue = Calls

Red = Function Headers

Purple = Display/Input

**Start**

### Main ()

Declare Constant max\_count = 20

Declare floor1[max\_count]

Declare floor2[max\_count]

Declare floor3[max\_count]

Declare const a\_price = 80

Declare const b\_price = 150

Declare const c\_price = 175

Declare total = 0

Declare price = 0.0

Display "Pick from....."

input choice

Switch (choice)

a: Call signin

b. call signup

c. call guest

other try again

Call Pick\_Dates(checkin\_Date, checkout\_Date)

Call Room\_Type(price)

total = (checkout\_Date - checkin\_Date) \* price

Call Receipt(price, total, checkin\_Date, checkout\_Date)

### void signin ()

declare username

declare password

display "Please enter your username"

input username

display "Please enter your password"

input password

### void signup ()

declare username

declare password

display "Welcome to Signup for Hotel Overlook"

display " "

display " "

display "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"

display "Please enter your username"

input username

display "Please enter your password"

input password

### void guest ()

declare username

declare password

Display "Welcome guest, no sign-in required"

int Pick\_Dates (checkin\_Date,checkout\_Date)

do {

Display "Input checkin date"

input Checkin\_Date

}

while (checkin\_Date > 1 AND checkin\_Date < 31)

do {

Display "Input Checkout date"

input Checkout\_Date

}

while (checkout\_Date > 2 AND checkout\_Date < 31)

### string Room\_Type (a\_price,b\_price,c\_price)

Declare int available

Switch (room\_type)

a. Single...

Price, Random picked location based on type

price = a\_price

Available = random(1-20)

Display “There are “+available “rooms available for your dates”

b. Double....

Price, Random picked location based on type

price = b\_price

Available = random(1-20)

Display “There are “+available “rooms available for your dates”

c. Suite...

Price, Random picked location based on type

price = c\_price

Available = random(1-20)

Display “There are “+available “rooms available for your dates”

### 

### int Receipt (price,total,checkin\_Date,checkout\_Date)

Display "--- Receipt ---"

Display "Room type price: $" + price

Display "Total nights: " + (checkout\_Date - checkin\_Date)

Display "Total amount due: $" + total