ASSIGNMENT 28

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Q.At an airport, a traveler is allowed entry into the ﬂight only if he clears the following

checks:

1.Baggage Check

2.Immigration Check

3.Security Check

The logic for the check methods are given below:

check\_baggage (baggage\_weight)

•returns True if

baggage\_weight

is greater than or equal to 0 and less than or equal to 40. Otherwise returns

False.

check\_immigration (expiry\_year)

•returns True if

expiry\_year

is greater than or equal to 2001 and less than or equal to 2025. Otherwise returns

False.

check\_security(noc\_status)

•returns True if

noc\_status

is &#39;valid&#39; or &#39;VALID&#39;, for all other values return False.

traveler()

•Initialize the traveler Id and traveler name and invoke the functions

check\_baggage(), check\_immigration() and

check\_security() by passing required arguments.

•Refer the table below for values of arguments.

•If all values of check\_baggage(), check\_immigration() and check\_security() are

true,

display traveler\_id and traveler\_name

display &quot;Allow Traveler to ﬂy!&quot;

Otherwise,

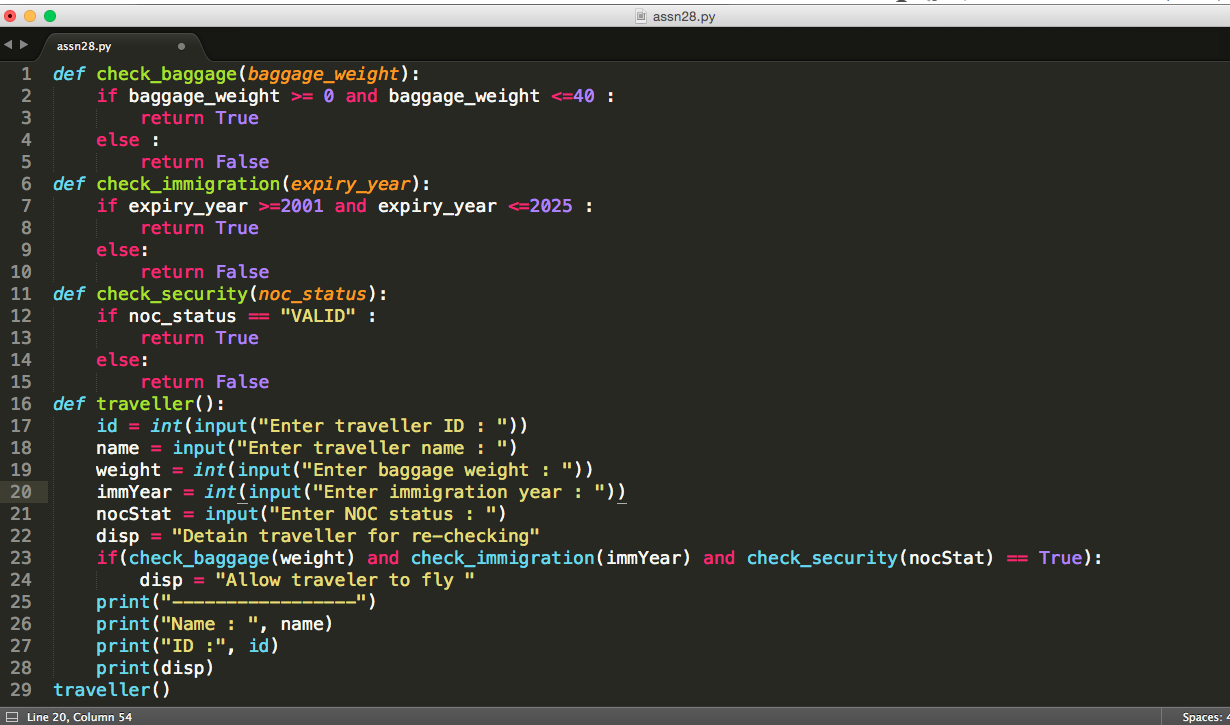
display traveler\_id and traveler\_name

display &quot;Detain Traveler for Re-checking!“

Invoke the traveler() function.

Modify the values of diﬀerent variables in traveler() function and observe the output.

Source Code



Output

Enter traveller ID : 121

Enter traveller name : Kruttika

Enter baggage weight : 30

Enter immigration year : 2019

Enter NOC status : VALID

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Name : Kruttika

ID : 121

Allow traveler to fly