

Programming Fundamentals Coursework Report

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Test Data For Omi Code

Test Case	Test Case Description	Test Data	Expected Result	Result(Pass/Fail)	Implemented On code
When both user and robo enters same suit	Robo inputs Queen of Hearts User inputs 9 of Hearts	Robo puts: ♡Q User puts: ♡9	<pre>if suit1 == suit: # if user has a suit similar to robo suit if int(number1) > int(number): # checks if the number on card of user is greater than the number on card of robo</pre>	PASS	YES
If both robo and user enters different suits but user puts a trump card	Robo inputs 7 of Diamonds User inputs King of Hearts (trump suit) Suit1=user suit Suit=robo suit	robo puts: ♦7 user puts: ♡K	<pre>elif suit1 != suit: # checks if the user card suit is not similar to robo suit if suit1 == trump: # if user has put a card with the trump suit</pre>	PASS	YES
If both robo and user enters different suits but robo puts a trump card	User inputs 7 of Spades Robo inputs 9 of Hearts (trump suit)	user puts: ♠7 robo puts: ♡9	<pre>elif suit3 != suit: # if robo doesnt have card with similar suit of robo if suit3 == trump: # checks if robo has a trump</pre>	PASS	YES
Both user and robo enters different suits but both suits are not trumps	(user inputs the card first) User inputs King of Clubs Robo inputs 9 of Diamonds	user puts: ♣K robo puts: ♦9	<pre>elif suit3 != suit: # if robo doesnt have card with similar suit of robo if suit3 == trump: # checks if robo</pre>	PASS	YES

			<pre> has a trump robopoints += 2 # robo (computer) wins the trick print("computer wins this trick2") tricklead = "robo" # since robo wins this trick the next trick is lead by robo (computer) else: userpoints += 2 # if robo has not put a trump nor a card of similar suit print("you win this trick2") tricklead = "user" # since user wins this trick the next trick is lead by you (user) </pre>		
Both user and robo enters different suits but both suits are not trumps	<p>(Robo inputs the card first)</p> <p>Robo inputs Jack of Diamonds</p> <p>User inputs King of Spades</p>	<p>Robo puts:  J</p> <p>user puts:  K</p>	<pre> elif suit1 != suit: # checks if the user card suit is not similar to robo suit if suit1 == trump: # if user has put a card with the trump suit userpoints += 2 # user wins the trick print("you win this trick10") tricklead = "user" </pre>	PASS	YES

			<pre>else: robopoints += 2 # if robo has not put a trump nor a card of similar suit print("computer wins this trick11") tricklead = "robo"</pre>		
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carddeck="♠A","♠K","♠Q","♠J","♠10","♠9","♠8","♠7""♥A","♥K",
"♥Q","♥J","♥10","♥9","♥8","♥7",
"♣A","♣K","♣Q","♣J","♣10","♣9","♣8","♣7",
"♣A","♣K","♣Q","♣J","♣10","♣9","♣8","♣7"]

```
decklength=len(carddeck)  
  
def shuffledeck(carddeck,decklength):  
    for index in range(decklength-1,0,-1):  
        element=random.randint(0,index+1)  
        carddeck[index], carddeck[element] =  
            carddeck[element], carddeck[index]  
  
    return carddeck
```



