

```
import pandas
madlibsdf=pandas.read_csv("madlibsdb.csv")
```

```
verblast=list(madlibsdf.Verbs)
adjectiveslist=list(madlibsdf.Adjectives)
nounlist=list(madlibsdf.Noun)
meatlist=list(madlibsdf.Meat)
roomslist=list(madlibsdf.Rooms)
drinkslist=list(madlibsdf.Drinks)
nameslist=list(madlibsdf.Names)
bodypartlist=list(madlibsdf.BodyParts)
verbsinglist=list(madlibsdf.Verbs_ing)
placelist=list(madlibsdf.Place)
vegetablelist=list(madlibsdf.Vegetable)
numberlist=list(madlibsdf.Number)
exclamationlist=list(madlibsdf.Exclamation)
```

```
def check_exist_in_list(list_values, text_to_display, not_exist_text, is_number):
```

```
    exist = False
    value = None
    while exist == False:
        if is_number:
            value = int(input(text_to_display + str(list_values)))
        else:
            value = input(text_to_display + str(list_values))
        if value not in list_values :
            print (not_exist_text)
        else:
            exist = True
    return value
```

```
def summer_story():
```

```
    question = "Y"
    while question == "Y":
        number = check_exist_in_list(numberlist, "Type a number from the list: ", "Number doesn't
exist, type again.", True)
```

```
        number2 = check_exist_in_list(numberlist, "Type a second number from the list: ", "Number
doesn't exist, type again.", True)
```

```
        verb = check_exist_in_list(verblast, "Type a verb from the list: ", "Verb doesn't exist, type
again.", False)
```

```
place = check_exist_in_list(placelist, "Type a place from the list: ", "Place doesn't exist,  
type again.", False)
```

```
name = check_exist_in_list(nameslist, "Type a name from the list: ", "Name doesn't exist,  
type again.", False)
```

```
verb2 = check_exist_in_list(verblist, "Type another verb from the list: ", "Verb doesn't exist,  
type again.", False)
```

```
instrument = input("Type the name of an instrument: ")
```

```
number3 = check_exist_in_list(numberlist, "Type another number from the list: ", "Number  
doesn't exist, type again.", True)
```

```
adjective = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective  
doesn't exist, type again.", False)
```

```
adjective2 = check_exist_in_list(adjectiveslist, "Type a second adjective from the list: ",  
"Adjective doesn't exist, type again.", False)
```

```
text = ""I could hardly believe it! There were {} days left of school and {} months of summer  
vacation to look forward to.  
I could not wait to {} with my friends and take a trip to the {}. I do not want to waste my summer  
vacation watching TV,  
so my sister, {}, and I decided we would {} six books, practice playing the {} for {} minutes each  
morning,  
and try to eat {} food. This is going to be one {} summer!"
```

```
print(text.format(number, number2, verb, place, name, verb2, instrument, number3,  
adjective, adjective2))
```

```
question = input("Do you want to play the 'Summer Story' again? Y or N?")  
print("Thanks for playing!")
```

```
def fall_story():  
    question = "Y"  
    while question == "Y":  
        noun = check_exist_in_list(nounslist, "Type a noun from the list: ", "Noun doesn't exist,  
type again.", False)
```

```
place = check_exist_in_list(placelist, "Type a place from the list: ", "Place doesn't exist, type again.", False)
```

```
person = input("Type the name of your favorite celebrity: ")
```

```
adj = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective doesn't exist, type again.", False)
```

```
bodypart = check_exist_in_list(bodypartlist, "Type a body part from the list: ", "Body part doesn't exist, type again.", False)
```

```
verb = check_exist_in_list(verblist, "Type another verb from the list: ", "Verb doesn't exist, type again.", False)
```

```
adj2 = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective doesn't exist, type again.", False)
```

```
noun2 = check_exist_in_list(nounslist, "Type a noun from the list: ", "Noun doesn't exist, type again.", False)
```

```
veggie = check_exist_in_list(vegetablelist, "Type a vegetable from the list: ", "Vegetable doesn't exist, type again.", True)
```

```
noun3 = input("Type a noun that is plural: ")
```

```
text = "I can't believe it's already Fall! I can't wait to put on my {} and visit every {} in my neighborhood. This year, I am going to dress up as (a) {} with {} {}. Before I {}, I make sure to grab my {} {} to hold all of my {}. Finally, all of my {} are ready to go!"
```

```
print(text.format(noun, place, person, adj, bodypart, verb, adj2, noun2, veggie, noun3))
```

```
question = input("Do you want to play the Fall Story' again? Y or N?")  
print("Thanks for playing!")
```

```
def winter_story():
```

```
greeting = input("Hello! Do you want to play a game? Y or N?")
```

```

while greeting == "Y":
    print("1. Summer Story")
    print("2. Fall Story")
    print("3. Spring Story")
    print("4. Winter Story")
    choice = int(input("Which MadLibs do you want to play: 1, 2, 3, or 4?"))
    if choice == 1:
        summer_story()
    elif choice == 2:
        fall_story()
    elif choice == 3:
        spring_story()
    elif choice == 4:
        winter_story()
    else:
        print("Wrong choice.")

```

```

def winter_story():
    question = "Y"
    while question == "Y":
        adjective = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective
doesn't exist, type again.", False)

        adjective2 = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective
doesn't exist, type again.", False)

        body_part = check_exist_in_list(bodypartlist, "Type a body part from the list: ", "Body part
doesn't exist, type again.", False)

        number = check_exist_in_list(numberlist, "Type another number from the list: ", "Number
doesn't exist, type again.", True)

        noun = check_exist_in_list(nounslist, "Type a noun from the list: ", "Noun doesn't exist,
type again.", False)

        noun2 = check_exist_in_list(nounslist, "Type a noun from the list: ", "Noun doesn't exist,
type again.", False)

        noun3 = check_exist_in_list(nounslist, "Type a noun from the list: ", "Noun doesn't exist,
type again.", False)

```

```
adjective3 = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective doesn't exist, type again.", False)
```

```
body_part2 = check_exist_in_list(adjectiveslist, "Type a body part from the list: ", "Body part doesn't exist, type again.", False)
```

```
verb = check_exist_in_list(verblist, "Type a verb from the list: ", "Verb doesn't exist, type again.", False)
```

```
adjective4 = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective doesn't exist, type again.", False)
```

```
verb2 = check_exist_in_list(verblist, "Type a verb from the list: ", "Verb doesn't exist, type again.", False)
```

```
verb3 = check_exist_in_list(verblist, "Type a verb from the list: ", "Verb doesn't exist, type again.", False)
```

```
adjective5 = check_exist_in_list(adjectiveslist, "Type an adjective from the list: ", "Adjective doesn't exist, type again.", False)
```

```
verb4 = check_exist_in_list(verblist, "Type a verb from the list: ", "Verb doesn't exist, type again.", False)
```

```
text = ""Frosty the Snowman was a jolly {} soul with a {} pipe and a button{} and {} eyes made out of {}.
```

```
Frosty the Snowman is a fairytale they say. He was made of {} but the children know how he came to life one day.
```

```
There must have been some {} in that old {} hat they found. For when they placed it on his {} he began to {} around.
```

```
Frosty the Snowman was as {} as he could be. And the children say he could {} and {} just the same as you and me.
```

```
Frosty the Snowman knew the sun was {} that day so he said let's {} and we'll have some fun before I melt away."
```

```
print(text.format(adjective, adjective2, body_part, number, noun, noun2, noun3, adjective3, body_part2, verb, adjective4, verb2, verb3, adjective5, verb4))
```

```
question = input("Do you want to play the 'Summer Story' again? Y or N?")  
print("Thanks for playing!")
```

```

def spring_story():
    question = "Y"
    while question == "Y":
        adjective= check_exist_in_list(adjectivelist, "Type an adjective from the list: ", "Adjective
doesn't exist, type again.", False)

        name = check_exist_in_list(nameslist, "Type a person from the list: ", "person doesn't exist,
type again.", False)

        animal= input("Type the name of an animal: ")

        plural_noun = check_exist_in_list(pluralnounslist, "Type a plural noun from the list: ",
"Plural noun doesn't exist, type again.", False)

        plural_noun2 = check_exist_in_list(nameslist, "Type another plural noun from the list: ",
"Plural noun doesn't exist, type again.", False)

        noun = check_exist_in_list (nounslist, "Type a noun from the list: ", "Noun doesn't exist,
type again.", False)

        verb = check_exist_in_list(verbslist, "Type a verb from the list: ", "Verb doesn't exist, type
again.", False)

        noun2 = check_exist_in_list(nounlist, "Type another noun from the list: ", "Adjective doesn't
exist, type again.", False)

        animal2 = input("Type the name of an animal: ")

        adjective2 = check_exist_in_list(adjectiveslist, "Type a second adjective from the list: ",
"Adjective doesn't exist, type again.", False)

        adjective3 = check_exist_in_list(adjectiveslist, "Type a third adjective from the list: ",
"Adjective doesn't exist, type again.", False)

        text = "Today we get to hunt for {} eggs in {}'s yard. The Easter {} hid them for us to find! I
am hoping that there will be a basket full of {} and {}. Since it's spring, there's lots of {} on the
ground. When I {} through it, I hope it doesn't get on my {}. I love that the Easter {} hides things
for us. It makes the {} day so very {}!!!"

        print(text.format(adjective, name, animal, plural_noun, plural_noun2, noun, verb, noun2,
animal2, adjective2, adjective3))

```

```
question = input("Do you want to play the 'Spring Story' again? Y or N?")  
print("Thanks for playing!")
```