

# INTERNSHIP TASKS

## Day 8: EXERCISE – 8

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Date	: 12-04-2024

## Exercise Level 1

#Task 1:

#Create an empty dictionary called dog

```
dog = {}
```

#Task 2:

#Add name, color, breed, legs, age to the dog dictionary

```
dog['name'] = "Thomas"
```

```
dog['color'] = "white"
```

```
dog['breed'] = "german shephard"
```

```
dog['legs'] = 4
```

```
dog['age'] = 13
```

#Task 3:

#Create a student dictionary and add first\_name, last\_name, gender, age, marital status, skills, country, city, and address as keys for the dictionary

```
student = {  
    'first_name' : "Deva Manikanta",  
    'last_name' : "Sala",  
    'gender' : "Male",  
    'age' : 20,  
    'marital_status' : 'Unmarried',  
    'skills' : ["Java", "Python", "SQLite", "C", "AWS", "Cybersecurity"],  
    'country' : "India",  
    'city' : "Palakollu",  
    'address' : "APHB colony, near TTD Kalyana mandapam, Palakollu"  
}
```

#Task 4:

#Get the length of the student dictionary

```
print("The length of student dictionary : ", len(student));
```

#Task 5:

#Get the value of skills and check the data type if should be a list

```
print("Skills : ", student['skills']);
```

```
print("Type : ", type(student['skills']));
```

#Task 6:

#Modify the skills values by adding one or two skills

```
student['skills'].append("Machine Learning");
```

```
student['skills'].append("Data Science");
```

#Task 7:

#Get the dictionary keys as a list

```
student_dict_keys = list(student.keys());
```

```
print(student_dict_keys);
```

#Task 8:

#Get the dictionary values as a list

```
student_dict_values = list(student.values());
```

```

print(student_dict_values);

#Task 9:
student_dict_list = list(student.items());
print(student_dict_list);

#Task 10
#Delete one of the items in the dictionary
del student['address'];
print(student);

#Task 11
#Delete one of the dictionaries
del dog;

```

## Outputs:

```

@DevaManikantaSala → /workspaces/codespaces-blank $ /home/codespace/.python/current/bin/python3 ~/workspaces/codespaces-blank/IGIAT Internship Python Tasks/30DaysOfPython/day_8/exercise_1.py
The length of student dictionary : 9
Skills : ['Java', 'Python', 'SQLite', 'C', 'AWS', 'Cybersecurity']
Type : <class 'list'>
[('first_name', 'last_name', 'gender', 'age', 'marital_status', 'skills', 'country', 'city', 'address')]
[('Deva Manikanta', 'Sala', 'Male', 20, 'Unmarried', ['Java', 'Python', 'SQLite', 'C', 'AWS', 'Cybersecurity', 'Machine Learning', 'Data Science'], 'India', 'Palakollu', 'APHB colony, near TTD Kalyana mandapam, Palakollu')]
[('first_name', 'Deva Manikanta'), ('last_name', 'Sala'), ('gender', 'Male'), ('age', 20), ('marital_status', 'Unmarried'), ('skills', ['Java', 'Python', 'SQLite', 'C', 'AWS', 'Cybersecurity', 'Machine Learning', 'Data Science']), ('country', 'India'), ('city', 'Palakollu'), ('address', 'APHB colony, near TTD Kalyana mandapam, Palakollu')]
{'first_name': 'Deva Manikanta', 'last_name': 'Sala', 'gender': 'Male', 'age': 20, 'marital_status': 'Unmarried', 'skills': ['Java', 'Python', 'SQLite', 'C', 'AWS', 'Cybersecurity', 'Machine Learning', 'Data Science'], 'country': 'India', 'city': 'Palakollu'}
@DevaManikantaSala → /workspaces/codespaces-blank $

```