1.Write a Python program to create a set of your favorite fruits. Then, write code to add two more fruits to the set and print the updated set.

Ans:

```
# Creating a set of favorite fruits
favorite_fruits = {'apple', 'banana', 'orange', 'grapes'}

# Adding two more fruits to the set
favorite_fruits.add('mango')
favorite_fruits.add('strawberry')

# Printing the updated set
print("Updated set of favorite fruits:", favorite_fruits)
```

2.Create a dictionary to represent a person's contact information. Include keys for "name," "email," and "phone." Print the person's name and phone number.

Ans:

```
# Creating a dictionary for the person's contact information
person_contact = {
    "name": "John Doe",
    "email": "johndoe@example.com",
    "phone": "123-456-7890"
}

# Printing the person's name and phone number
print("Person's Name: ", person_contact["name"])
print("Person's Phone Number: ", person_contact["phone"])
```

3.Write a Python program to create a list of your favorite movies. Add two more movies to the list and print the updated list.

Ans:

```
# Creating a list of favorite movies
favorite_movies = ["The Shawshank Redemption", "The Godfather", "The Dark Knight"]

# Adding two more movies to the list
favorite_movies.append("Pulp Fiction")
favorite_movies.append("Forrest Gump")

# Printing the updated list of favorite movies
print("Updated list of favorite movies:", favorite_movies)
```

4.Create a tuple that represents the coordinates of a point in 2D space. Print the x and y coordinates of the point.

Ans:

```
# Creating a tuple representing the coordinates of a point in 2D space
point_coordinates = (3, 5)  # Example coordinates, replace with your own values if needed

# Printing the x and y coordinates of the point
print("X Coordinate:", point_coordinates[0])
print("Y Coordinate:", point_coordinates[1])
```

5.Create a list of dictionaries, where each dictionary represents a book. Include keys for "title," "author," and "year." Then, print the titles of all the books.

Ans:

```
# Creating a list of dictionaries representing books
books = [
    {"title": "The Catcher in the Rye", "author": "J.D. Salinger", "year": 1951},
    {"title": "To Kill a Mockingbird", "author": "Harper Lee", "year": 1960},
```

```
    {"title": "1984", "author": "George Orwell", "year": 1949},
    {"title": "Moby Dick", "author": "Herman Melville", "year": 1851},
    {"title": "War and Peace", "author": "Leo Tolstoy", "year": 1869}
]

# Printing the titles of all the books
print("Titles of all the books:")
for book in books:
    print(book["title"])
```