

Python-Lab-1.2

Task 1 :

Task 1:

1. Create a tuple with the following details:
 - Your favorite movie (string)
 - The year it was released (integer)
 - Its rating out of 10 (float)
 - Whether you have watched it (boolean)
2. Print the details

```
[8]: # write your code here ^_^
favorite_movie = ("Top Gun: Maverick", 2022, 9.5, True)
print(f"Favorite Movie: {favorite_movie[0]}, Year Released: {favorite_movie[1]}, Rating out of 10: {favorite_movie[2]}, Watched: {favorite_movie[3]}")
```

Favorite Movie: Top Gun: Maverick, Year Released: 2022, Rating out of 10: 9.5, Watched: True

Task2 :

Task 2:

1. Create a set of 5 favorite colors.
2. Print all the colors

```
[12]: # write your code here ^_^
favorite_colors = {"Gray", "Blue", "Black", "Yellow", "White"}
print("Favorite Colors:", favorite_colors)
```

Favorite Colors: {'Blue', 'Gray', 'Yellow', 'Black', 'White'}

Task 3 :

Task 3:

1. Create a dictionary to store information about 3 friends (name as key and a tuple with age and favorite hobby as value).
2. Print the details of all friends.

```
[14]: # write your code here ^_^
My_friends = {
    "Ahmed": (23, "Football"),
    "Hussin": (22, "Gaming"),
    "Saleh": (24, "Gaming")
}
print(My_friends)

{'Ahmed': (23, 'Football'), 'Hussin': (22, 'Gaming'), 'Saleh': (24, 'Gaming')}
```

Task 4 :

Task 4:

1. Check if you have watched the movie and print an appropriate message.
1. Check if a specific color is in your favorite colors set and print its availability status.

```
[46]: # write your code here ^^
favorite_movie = ("Top Gun: Maverick", 2022, 9.5, True)
movie = ("Top Gun: Maverick", 2022, 9.5, True)
if movie[0] == favorite_movie[0]:
    print(f"You have seen the movie {movie[0]} . ")
else:
    print(f"You haven't seen the movie {movie[0]} .")

favorite_colors = {"Gray", "Blue", "Black", "Yellow", "White"}
color = "Gray"
if color in favorite_colors:
    print(f"{color} is in your favorite colors.")
else:
    print(f"{color} is not in your favorite colors.")
```

You have seen the movie Top Gun: Maverick .
Gray is in your favorite colors.

Task 4:

1. Check if you have watched the movie and print an appropriate message.
1. Check if a specific color is in your favorite colors set and print its availability status.

```
[44]: # write your code here ^^
favorite_movie = ("Top Gun: Maverick", 2022, 9.5, True)
movie = ("Inception", 2010, 8.8, True)
if movie[0] == favorite_movie[0]:
    print(f"You have seen the movie {movie[0]} . ")
else:
    print(f"You haven't seen the movie {movie[0]} .")

favorite_colors = {"Gray", "Blue", "Black", "Yellow", "White"}
color = "green"
if color in favorite_colors:
    print(f"{color} is in your favorite colors.")
else:
    print(f"{color} is not in your favorite colors.")
```

You haven't seen the movie Inception .
green is not in your favorite colors.