The Olympic Games

The Olympic Games are an international sporting event held every four years. They bring together athletes from across the world to compete in a variety of sports.

The Games are governed by the International Olympic Committee (IOC). The IOC is responsible for organizing the Games and ensuring that they are held in accordance with the Olympic Charter.

The Olympic Games have been held since 1896, with the exception of 1916, 1940 and 1944 due to World Wars I and II.

Great Britain's Olympic Shooting Team

History

Great Britain has a long and storied history in Olympic shooting. Their shooters have won numerous medals over the years.

Great Britain competes as a single team, representing athletes from England, Scotland, Wales and Northern Ireland.

Notable Athletes

Notable British shooters include Peter Wilson, who won gold at the 2012 Olympics in the men's double trap, and Richard Faulds, who won gold at the 2000 Olympics in the men's double trap.

Recent Success

In recent years, Great Britain's shooting team has continued to achieve success, winning multiple medals at the 2016 and 2020 Olympics.

Great Britain's Olympic Shooting Team

Add Details

```
def add_details(name, country,
medal_type, gender, event, year, metric):

    global medals
    athletes.append({
        "name": name.lower(),
        "country": country,
        "medal_type": medal_type,
        "gender": gender,
        "event": event,
        "year": year,
        "metric": metric
    })
    medals += 1
```

View Details

```
def view_details():
    if not athletes:
        print("No Information")
        return

    print("\nChoose an option:")
    print("1. View all records")
    print("2. View specific athlete record")
    choice = int(input("Enter your choice: "))

    match choice:
        case 1:
            print(f"\n{'Name':<20} {'Country':<15} {'Medal':<10}
            print("-" * 100)
            print()

            for athlete in athletes:
                print(f"{athlete['name'].title():<20} {athlete['c
            print()
        case 2:
            athname = input("Enter the athlete's name: ").lower()

            found = False
            for athlete in athletes:
                if athlete["name"].lower() == athname:
                    print("Name:", athlete["name"].title())
                    print("Country:", athlete["country"])
                    print("Medal:", athlete["medal_type"])
                    print("Gender:", athlete["gender"])
                    print("Event:", athlete["event"])
                    print("Year:", athlete["year"])
                    print("Metric:", athlete["metric"])
                    print()
```

Medal Count/Ath Performance/Event details

```
def medal_count():
    return medals

def ath_performance(athname):
    athname = athname.lower()
    for athlete in athletes:
        if athlete["name"].lower() == athname:
            return athlete["metric"]
    return "Athlete not found"


def event_details(event_name):
    event_name = event_name.lower()
    event_athletes = []
    for athlete in athletes:
        if athlete["event"].lower() == event_name:
            event_athletes.append(athlete)
    if not event_athletes:
        return "No athletes found for this event"
    return event_athletes
```

Project Details and Insights

Olympic Year	Total Medals	Gold	Silver	Bronze
2012	3	1	0	2
2016	2	1	0	1
2020	1	0	1	0
2024	2	1	1	0

```python
def menu():
    while True:
        print("\nMenu:")
        print("1. View Athlete Details")
        print("2. Add Athlete Details")
        print("3. View Medal Count")
        print("4. View Athlete Performance")
        print("5. View Event Details")
        print("6. Exit")
        choice = input("Enter your choice: ")

        match choice:
            case "1":
                view_details()
            case "2":
                name = input("Enter athlete's name: ")
                country = input("Enter country: ")
                medal_type = input("Enter medal type (Gold/Silver/Bronze): ")
                gender = input("Enter gender: ")
                event = input("Enter event: ")
                year = int(input("Enter Olympic year: "))
                metric = input("Enter performance metric : ")
                add_details(name, country, medal_type, gender, event, year, metric)
                print("Athlete added successfully.")
            case "3":
                print(f"Total medals: {medal_count()}")
            case "4":
                athname = input("Enter athlete's name: ")
                print(f"Performance of {athname}: {ath_performance(athname)}")
            case "5":
                event_name = input("Enter event name: ")
                result = event_details(event_name)
                if result == "No athletes found for this event":
                    print(result)
                else:
                    for athlete in result:
                        print(f"Name: {athlete['name']}, Country: {athlete['country']}, Medal: {athlete['medal_type']}, Year: {athlete['year']
```

```
Menu:
1. View Athlete Details
2. Add Athlete Details
3. View Medal Count
4. View Athlete Performance
5. View Event Details
6. Exit
Enter your choice:  1

Choose an option:
1. View all records
2. View specific athlete record
Enter your choice:  1
```

Name	Country	Medal	Gender	Event	Year	Metric
Nathan Hales	Great Britain	Gold	Male	Men's Trap	2024	Hits out of 125
Amber Rutter	Great Britain	Silver	Female	Women's Skeet	2024	Hits out of 60
Amber Hill	Great Britain	Gold	Female	Women's Skeet	2020	Hits out of 60
Matt Coward-Holley	Great Britain	Bronze	Male	Men's Skeet	2020	Hits out of 60
Sarah Hayward	Great Britain	Silver	Female	Women's Trap	2016	Hits out of 75
Peter Wilson	Great Britain	Gold	Male	Men's Double Trap	2016	Hits out of 150
Peter Wilson	Great Britain	Gold	Male	Men's Double Trap	2012	Hits out of 150
Vincent Hancock	Great Britain	Silver	Male	Men's Skeet	2012	Hits out of 125
Richard Faulds	Great Britain	Gold	Male	Men's Trap	2008	Hits out of 125
Peter Wilson	Great Britain	Silver	Male	Men's Double Trap	2008	Hits out of 150
Richard Faulds	Great Britain	Gold	Male	Men's Trap	2004	Hits out of 125
Ian Peel	Great Britain	Bronze	Male	Men's Double Trap	2004	Hits out of 150

Project Conclusion and Acknowledgement

This project has provided me with a valuable opportunity to solidify my understanding of Python syntax, particularly in the context of [Basic Syntax, Data Structures and control flow]. The hands-on experience has been instrumental in reinforcing my learning and developing a practical approach to programming.

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