

PYTHON PROGRAMMING (20ECE86)

Mini Project Report on

“COLLEGE EVENT MANAGEMENT SYSTEM USING PYTHON”

Submitted by

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SOURCE CODE

```
events = {}

# Define a function to add events to the dictionary
def add_event():
    name = input("Enter the name of the event: ")
    date = input("Enter the date of the event (DD/MM/YYYY): ")
    time = input("Enter the time of the event (HH:MM AM/PM): ")
    capacity = int(input("Enter the number of seats available for the event: "))
    price = float(input("Enter the price of a ticket: "))

    # Add the event to the dictionary
    events[name] = {"date": date, "time": time, "capacity": capacity, "price": price, "tickets_sold": 0}
    print("Event added successfully!")

# Define a function to display events from the dictionary
def display_events():
    if not events:
        print("No events found.")
    else:
        for name, event in events.items():
            print(f"Event Name: {name}\nEvent Date: {event['date']}\nEvent Time: {event['time']}\nCapacity: {event['capacity']}\nPrice: {event['price']}\nTickets Sold: {event['tickets_sold']}\n")

# Define a function to book tickets for an event
def book_tickets():
    name = input("Enter the name of the event: ")
```

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tickets = int(input("Enter the number of tickets to book: "))

if name not in events:
    print(f"{name} not found. Please try again.")
    return

event = events[name]

if event['tickets_sold'] + tickets > event['capacity']:
    print(f"Sorry...All tickets available for {name}. are sold out.")
    return

# Calculate the total price of the tickets
total_price = event['price'] * tickets

# Update the event dictionary with the new number of tickets sold
event['tickets_sold'] += tickets

print(f"{tickets} tickets booked for {name} for a total price of ₹{total_price}.")

# Take the user input
while True:
    action = input("Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: ")

    if action == "1":
        add_event()
    elif action == "2":
        display_events()
    elif action == "3":
        book_tickets()
    elif action == "#":
        break

```

else:

```
print("Invalid action. Please try again.")
```

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In [*]:
events = {}

# Define a function to add events to the dictionary
def add_event():
    name = input("Enter the name of the event: ")
    date = input("Enter the date of the event (DD/MM/YYYY): ")
    time = input("Enter the time of the event (HH:MM AM/PM): ")
    capacity = int(input("Enter the number of seats available for the event: "))
    price = float(input("Enter the price of a ticket: "))

    # Add the event to the dictionary
    events[name] = {"date": date, "time": time, "capacity": capacity, "price": price, "tickets_sold": 0}
    print("Event added successfully!")

# Define a function to display events from the dictionary
def display_events():
    if not events:
        print("No events found.")
    else:
        for name, event in events.items():
            print(f"Event Name: {name}\nEvent Date: {event['date']}\nEvent Time: {event['time']}\nCapacity: {event['capacity']}\nPrice: {event['price']}\nTickets Sold: {event['tickets_sold']}")

# Define a function to book tickets for an event
```

```
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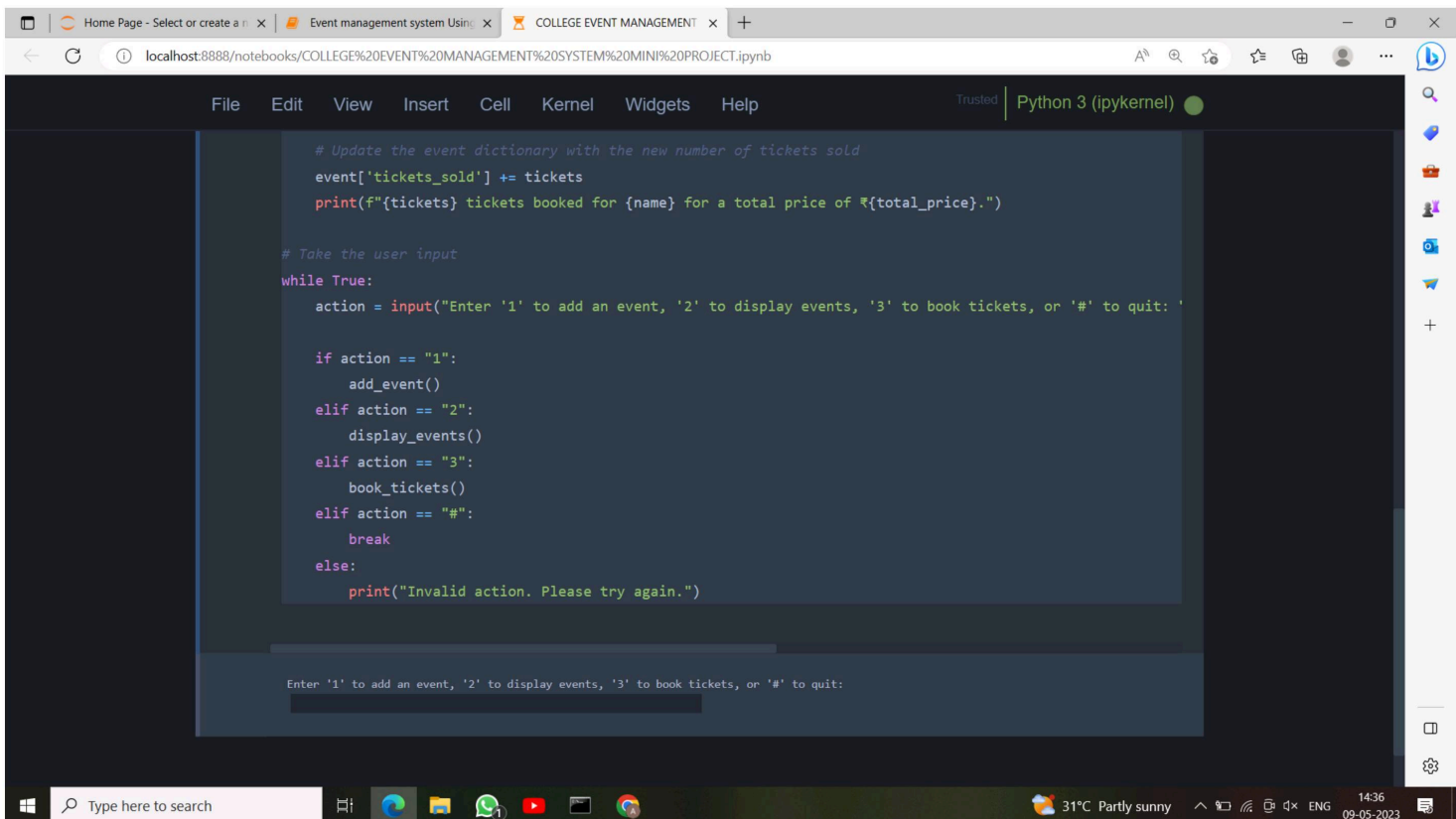
# Define a function to book tickets for an event
def book_tickets():
    name = input("Enter the name of the event: ")
    tickets = int(input("Enter the number of tickets to book: "))
    if name not in events:
        print(f"{name} not found. Please try again.")
        return
    event = events[name]
    if event['tickets_sold'] + tickets > event['capacity']:
        print(f"Sorry...All tickets available for {name}. are sold out.")
        return

    # Calculate the total price of the tickets
    total_price = event['price'] * tickets

    # Update the event dictionary with the new number of tickets sold
    event['tickets_sold'] += tickets
    print(f"{tickets} tickets booked for {name} for a total price of ₹{total_price}.")

# Take the user input
while True:
    action = input("Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: ")

    if action == "1":
        add_event()
```



```
# Update the event dictionary with the new number of tickets sold
event['tickets_sold'] += tickets
print(f"{tickets} tickets booked for {name} for a total price of ₹{total_price}.")

# Take the user input
while True:
    action = input("Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: ")

    if action == "1":
        add_event()
    elif action == "2":
        display_events()
    elif action == "3":
        book_tickets()
    elif action == "#":
        break
    else:
        print("Invalid action. Please try again.")
```

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit:

RESULTS :-

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 1
Enter the name of the event: INCREDIA
Enter the date of the event (DD/MM/YYYY): 12/02/2023
Enter the time of the event (HH:MM AM/PM): 10:00 AM
Enter the number of seats available for the event: 50
Enter the price of a ticket: 100
Event added successfully!
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 1
Enter the name of the event: FAREWELL EVENT
Enter the date of the event (DD/MM/YYYY): 23/05/2023
Enter the time of the event (HH:MM AM/PM): 10:00 AM
Enter the number of seats available for the event: 100
Enter the price of a ticket: 50
Event added successfully!
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 1
Enter the name of the event: FRESHERS EVENT
Enter the date of the event (DD/MM/YYYY): 25/05/2023
Enter the time of the event (HH:MM AM/PM): 03:00 PM
Enter the number of seats available for the event: 40
Enter the price of a ticket: 65
Event added successfully!
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 2
Event Name: INCREDIA
Event Date: 12/02/2023
Event Time: 10:00 AM
Capacity: 50
Price: 100.0

Tickets Sold: 0

Event Name: FAREWELL EVENT
Event Date: 23/05/2023
Event Time: 10:00 AM
Capacity: 100
Price: 50.0
Tickets Sold: 0

Event Name: FRESHERS EVENT
Event Date: 25/05/2023
Event Time: 03:00 PM
Capacity: 40
Price: 65.0
Tickets Sold: 0

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3
Enter the name of the event: INCREDIA
Enter the number of tickets to book: 100
Sorry...All tickets available for INCREDIA. are sold out.
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 2
Event Name: INCREDIA
Event Date: 12/02/2023
Event Time: 10:00 AM
Capacity: 50
Price: 100.0
Tickets Sold: 0

Event Name: FAREWELL EVENT
Event Date: 23/05/2023
Event Time: 10:00 AM
Capacity: 100
Price: 50.0
Tickets Sold: 0

Event Name: FRESHERS EVENT
Event Date: 25/05/2023
Event Time: 03:00 PM
Capacity: 40
Price: 65.0
Tickets Sold: 0

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3
Enter the name of the event: INCREDIA
Enter the number of tickets to book: 25
25 tickets booked for INCREDIA for a total price of ₹2500.0.
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3
Enter the name of the event: FAREWELL EVENT
Enter the number of tickets to book: 25
25 tickets booked for FAREWELL EVENT for a total price of ₹1250.0.
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 2
Event Name: INCREDIA
Event Date: 12/02/2023
Event Time: 10:00 AM
Capacity: 50
Price: 100.0
Tickets Sold: 25

Event Name: FAREWELL EVENT
Event Date: 23/05/2023
Event Time: 10:00 AM
Capacity: 100
Price: 50.0

Tickets Sold: 25

Event Name: FRESHERS EVENT

Event Date: 25/05/2023

Event Time: 03:00 PM

Capacity: 40

Price: 65.0

Tickets Sold: 0

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3

Enter the name of the event: FRESHERS EVENT

Enter the number of tickets to book: 22

22 tickets booked for FRESHERS EVENT for a total price of ₹1430.0.


```
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# Update the event dictionary with the new number of tickets sold
event['tickets_sold'] += tickets
print(f"{tickets} tickets booked for {name} for a total price of ₹{total_price}.")

# Take the user input
while True:
    action = input("Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: ")

    if action == "1":
        add_event()
    elif action == "2":
        display_events()
    elif action == "3":
        book_tickets()
    elif action == "#":
        break
    else:
        print("Invalid action. Please try again.")

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit:
```

```
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Enter the name of the event: INCREDIA
Enter the date of the event (DD/MM/YYYY): 12/02/2023
Enter the time of the event (HH:MM AM/PM): 10:00 AM
Enter the number of seats available for the event: 50
Enter the price of a ticket: 100
Event added successfully!
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 1
Enter the name of the event: FAREWELL EVENT
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Enter the time of the event (HH:MM AM/PM): 10:00 AM
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Event added successfully!
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 1
Enter the name of the event: FRESHERS EVENT
Enter the date of the event (DD/MM/YYYY): 25/05/2023
Enter the time of the event (HH:MM AM/PM): 03:00 PM
Enter the number of seats available for the event: 40
Enter the price of a ticket: 65
Event added successfully!
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 2
Event Name: INCREDIA
Event Date: 12/02/2023
Event Time: 10:00 AM
Capacity: 50
Price: 100.0
Tickets Sold: 0

Event Name: FAREWELL EVENT
Event Date: 23/05/2023
Event Time: 10:00 AM
Capacity: 100
Price: 50.0
Tickets Sold: 0
```

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```
Event Name: FRESHERS EVENT
Event Date: 25/05/2023
Event Time: 03:00 PM
Capacity: 40
Price: 65.0
Tickets Sold: 0

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3
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Enter the number of tickets to book: 100
Sorry...All tickets available for INCREDIA. are sold out.
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 2
Event Name: INCREDIA
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Event Time: 10:00 AM
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Event Name: FAREWELL EVENT
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Capacity: 100
Price: 50.0
Tickets Sold: 0

Event Name: FRESHERS EVENT
Event Date: 25/05/2023
Event Time: 03:00 PM
Capacity: 40
Price: 65.0
Tickets Sold: 0

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3
Enter the name of the event: INCREDIA
Enter the number of tickets to book: 25
```

Type here to search

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Event Time: 03:00 PM
Capacity: 40
Price: 65.0
Tickets Sold: 0

Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: 3
Enter the name of the event: FRESHERS EVENT
Enter the number of tickets to book: 22
22 tickets booked for FRESHERS EVENT for a total price of ₹1430.0.
Enter '1' to add an event, '2' to display events, '3' to book tickets, or '#' to quit: #
```

Type here to search

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