Code Challenge Day 4: Random Prize Generator Game.

You are tasked with creating a C++ program that randomly selects and awards prizes from a pool of 10 exciting rewards. The program should use the **<ctime>**, **srand**, and **rand** functions to introduce an element of randomness to the prize distribution.

Requirements:

1. **Prizes Pool:**
    - Make a prize pool of at least 10 different prizes. Examples could include movie tickets, a vacation trip to Dubai, a gift card, a tech gadget, etc. **(using switch)**
2. **Random Selection:**
    - Utilize the **<ctime>**, **srand**, and **rand** functions to introduce randomness into your program.
    - Seed the random number generator using the current time to ensure different results on each run.
3. **Number of Winners:**
    - Ask the user to enter the number of winners they want to select.
    - **Note: Use Input Validation based on the number of Giveaway Prizes.**
4. **Prize Distribution:**
    - Use a loop to randomly select and display q0 prizes from the defined pool without replacement (i.e., once a prize is selected, it should not be available for subsequent winners).
5. **Switch Statements:**
    - Implement switch statements to handle different prize types elegantly.
    - For example, if a winner gets a movie ticket, display a message related to movies. If they get a vacation trip, display a message related to travel.
6. **User-Friendly Output:**
    - Provide clear and user-friendly output messages.
    - Make the program interesting by adding creative messages or descriptions for each prize.

Hints:

- Use **#include <ctime>** to include the time-related functions.
- Use **srand(time(0))** to seed the random number generator based on the current time.
- Use **rand()** to generate random numbers.
- Utilize the modulus operator (**%**) to constrain the random numbers within the range of available prizes.

Example Output:

plaintext Copy code

```
Welcome to the Random Prize Generator!

Enter the number of winners (q0): 3

Congratulations to the winners!

Winner 1: You've won a movie ticket! Enjoy your favorite film.
Winner 2: Pack your bags! You've won a vacation trip to Dubai.
Winner 3: You've won a tech gadget! Stay connected and have fun.

Thanks for participating!
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