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FULL STACK DEVELOPMENT ASSIGNMENT - 3

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You are tasked with implementing a card-flip effect using Bootstrap. Your goal is to create a responsive web page that displays a set of cards, each of which can be flipped to reveal additional content on the back side. Your implementation should utilize Bootstrap for layout and styling, ensuring compatibility across various devices and screen sizes.

Description

This HTML code provides the structure for a web-based card game titled "Find Joker." The layout is designed to be responsive, adapting well to different screen sizes, thanks to the utilization of Bootstrap, a popular CSS framework. The game consists of a grid layout where individual cards are presented.

Each card is represented by a `<div>` element with the class "card." Within each card, there's a container (`<div>` with class "card-inner") that houses both the front and back faces of the card. The front face contains an image of a card's back design and a question asking if it's the joker. On the other hand, the back face reveals an image of the card's face and provides feedback on whether it's the joker or not. This flip effect is achieved using CSS transitions and transformations. The CSS styles define the appearance and behavior of the cards. The `.card-container` class manages the layout of the card grid, while the `.card` class specifies the size and perspective for the card. The `.card-inner` class defines the transition and transformation properties for the flip animation, while `.card-front` and `.card-back` control the appearance of the front and back faces respectively.

The game aims to engage users in finding the joker card among other non-joker cards. Upon successfully finding the joker, a congratulatory message is displayed. This simple yet interactive design, coupled with visual elements and textual cues, enhances user engagement and enjoyment of the game.

Commented source code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Find joker</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com
/bootstrap/4.5.2/css/bootstrap.min.css">
    <!-- CSS Internal Styling -->
    <style>
        .card-container{
            display:flex;
            flex-wrap:wrap;
            justify-content: center;
            margin-bottom: 150px;
        }
        .card{
            width: 200px;
            height: 300px;
            perspective: 1000px;
            margin: 20px;
        }
        .card-inner{
            width: 100%;
            height: 100%;
            transition: transform 0.5s;
            transform-style: preserve-3d;
        }
        .card:hover .card-inner{
            transform: rotateY(180deg);
        }
        .card-front, .card-back{
            width: 100%;
            height: 100%;
            position: absolute;
            backface-visibility: hidden;
        }
        .card-back{
            transform: rotateY(180deg);
        }
    </style>
</head>
```

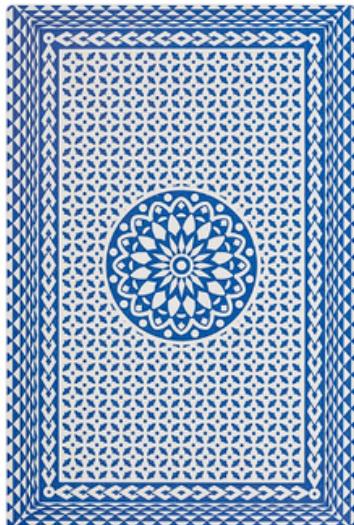
Commented source code

```
<body>
    <!-- Container 1 -->
    <div class = "container">
        <div class = "card-container">
            <!-- Card 1 -->
            <div class = "card">
                <div class = "card-inner">
                    <div class="card-front">
                        <img src = 'card_bg.jpg' class = 'card-img-top' alt = 'Front-Image'>
                        <div class = 'card-body'>
                            <h5 class="card-title"> Is this card a joker?</h5>
                            <p class = "card-text"> Find the joker</p>
                        </div>
                    </div>
                    <div class="card-back">
                        <img src = 'Q_dia.png' class = 'card-img-top' alt = 'Back-Image'>
                        <div class = 'card-body'>
                            <h5 class="card-title"> Queen of diamonds</h5>
                            <p class = "card-text"> Hard luck! Try another card</p>
                        </div>
                    </div>
                </div>
            </div>
            <!-- Card 2 -->
            <div class = "card">
                <div class = "card-inner">
                    <div class="card-front">
                        <img src = 'card_bg.jpg' class = 'card-img-top' alt = 'Front-Image'>
                        <div class = 'card-body'>
                            <h5 class="card-title"> Is this card a joker?</h5>
                            <p class = "card-text"> Find the joker</p>
                        </div>
                    </div>
                    <div class="card-back">
                        <img src = '2_club.png' class = 'card-img-top' alt = 'Back-Image'>
                        <div class = 'card-body'>
                            <h5 class="card-title"> Deuce of clubs</h5>
                            <p class = "card-text"> Hard luck! Try another card</p>
                        </div>
                    </div>
                </div>
            </div>
            <!-- Card 3 -->
            <div class = "card">
                <div class = "card-inner">
                    <div class="card-front">
                        <img src = 'card_bg.jpg' class = 'card-img-top' alt = 'Front-Image'>
                        <div class = 'card-body'>
                            <h5 class="card-title"> Is this card a joker?</h5>
                            <p class = "card-text"> Find the joker</p>
                        </div>
                    </div>
                    <div class="card-back">
                        <img src = 'K_hearts.png' class = 'card-img-top' alt = 'Back-Image'>
                        <div class = 'card-body'>
                            <h5 class="card-title"> King of Hearts</h5>
                            <p class = "card-text"> Hard luck! Try another card</p>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
```

Commented source code

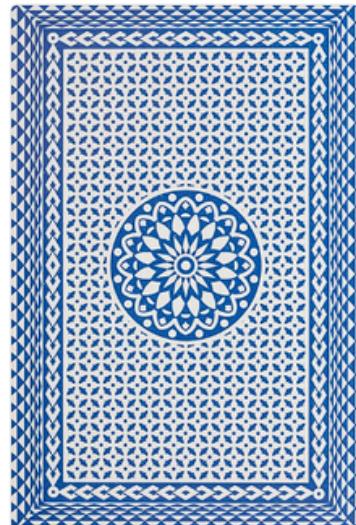
```
<!-- Container 2 -->
<div class = "container">
    <div class = "card-container">
        <!-- Card 4-->
        <div class = "card">
            <div class = "card-inner">
                <div class="card-front">
                    <img src = 'card_bg.jpg' class = 'card-img-top' alt = 'Front-Image'>
                    <div class = 'card-body'>
                        <h5 class="card-title"> Is this card a joker?</h5>
                        <p class = "card-text"> Find the joker</p>
                    </div>
                </div>
                <div class="card-back">
                    <img src = '4_spade.png' class = 'card-img-top' alt = 'Back-Image'>
                    <div class = 'card-body'>
                        <h5 class="card-title"> Cater of Spades</h5>
                        <p class = "card-text"> Hard luck! Try another card</p>
                    </div>
                </div>
            </div>
        </div>
        <!-- Card 5 -->
        <div class = "card">
            <div class = "card-inner">
                <div class="card-front">
                    <img src = 'card_bg.jpg' class = 'card-img-top' alt = 'Front-Image'>
                    <div class = 'card-body'>
                        <h5 class="card-title"> Is this card a joker?</h5>
                        <p class = "card-text"> Find the joker</p>
                    </div>
                </div>
                <div class="card-back">
                    <img src = 'ace_spades.png' class = 'card-img-top' alt = 'Back-Image'>
                    <div class = 'card-body'>
                        <h5 class="card-title"> Ace of Spades</h5>
                        <p class = "card-text"> Hard luck! Try another card</p>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <!-- Card 6 -->
    <div class = "card">
        <div class = "card-inner">
            <div class="card-front">
                <img src = 'card_bg.jpg' class = 'card-img-top' alt = 'Front-Image'>
                <div class = 'card-body'>
                    <h5 class="card-title"> Is this card a joker?</h5>
                    <p class = "card-text"> Find the joker</p>
                </div>
            </div>
            <div class="card-back">
                <img src = 'joker.png' class = 'card-img-top' alt = 'Back-Image'>
                <div class = 'card-body'>
                    <h5 class="card-title"> Joker of SIT?</h5>
                    <p class = "card-text"> Finally! You found it</p>
                </div>
            </div>
        </div>
    </div>
</div>
</body>
```

Output



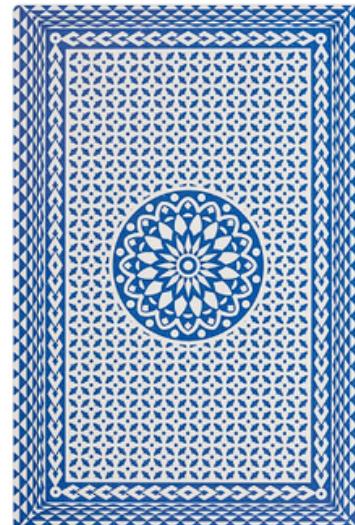
Is this card a
joker?

Find the joker



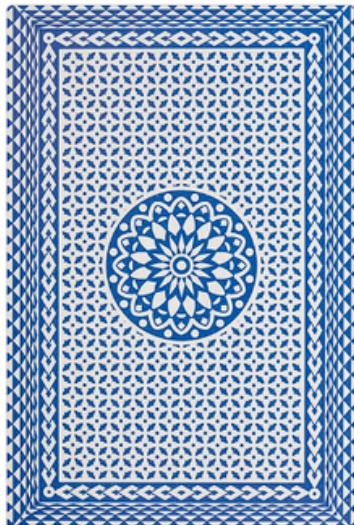
Is this card a
joker?

Find the joker



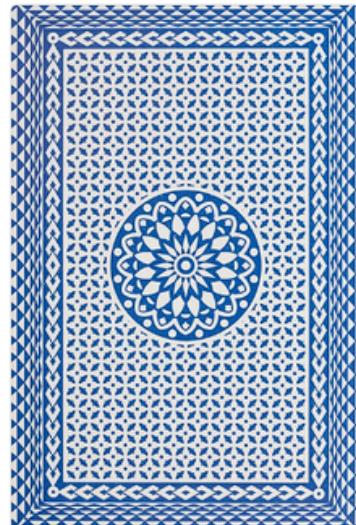
Is this card a
joker?

Find the joker



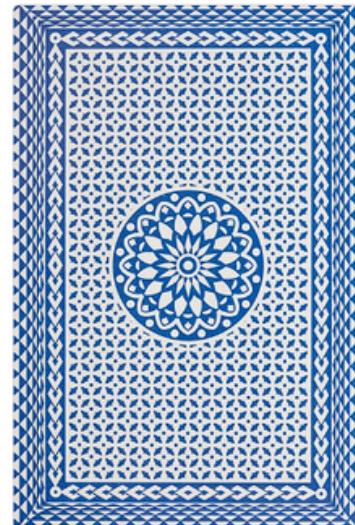
Is this card a
joker?

Find the joker



Is this card a
joker?

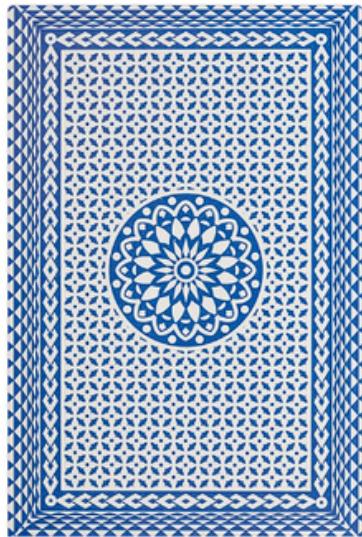
Find the joker



Is this card a
joker?

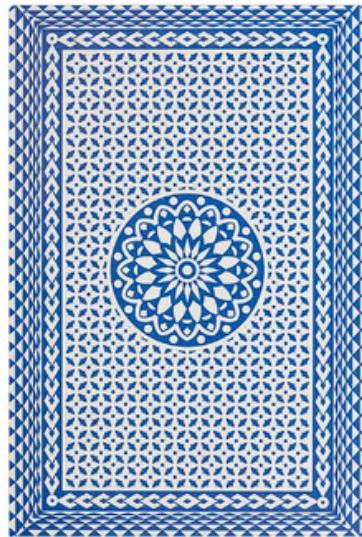
Find the joker

Output



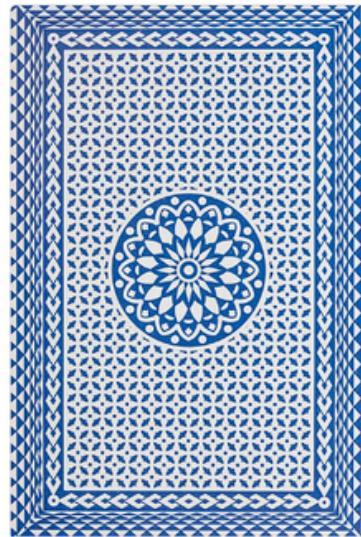
Is this card a
joker?

Find the joker



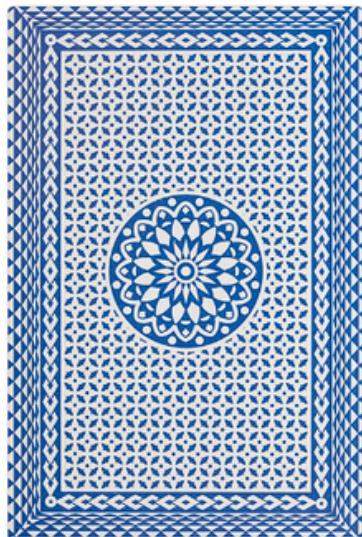
Is this card a
joker?

Find the joker



Is this card a
joker?

Find the joker



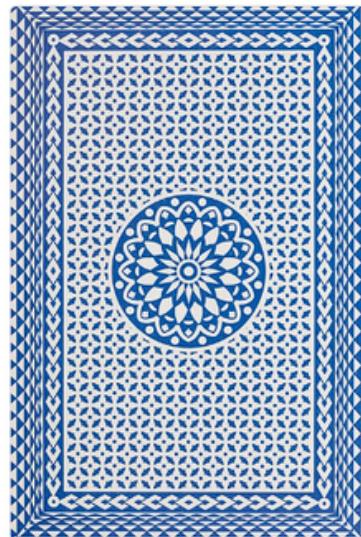
Is this card a
joker?

Find the joker



Ace of Spades

Hard luck! Try another
card



Is this card a
joker?

Find the joker



About Me

Hi, I am Apoorv
I study at symbiosis pune,
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