Welcome

Main Menu Aspect:

```
1   from colored import fg, bg, attr
2   from rich.console import Console
3   from rich.text import Text
4   from quiz_functions import start_quiz, view_highscore
5
6   # creates a console to print formatted text to a console
7   console = Console()
8
9   def main_menu():
0       while True:
1           # Print the text in Yellow with a party popper emoji imported from the "Rich"
2           welcome_text = Text("Welcome to this mutliple choice quiz game!!!", style='yellow')
3           console.print(welcome_text, ":tada:" )
4
5           # Choices to pick for Quiz in a list form with there own emoji
6           options = [
7               ("1) ", "Movie Quiz 🎬"),
8               ("2) ", "Cartoon Quiz 😺"),
9               ("3) ", "View High-Score 🏆"),
0               ("4) ", "Exit Game ❌")
1           ]
2
3           options_text = Text("Choose an option:\n", style='magenta')
4           # Iterates over the options list
5           for number, text in options:
6               # .append the numbers to red and text to blue
7               options_text.append(number, style="red")
8               options_text.append(text + "\n", style="blue")
9           #print options_text to the console
0           console.print(options_text)
1           # Print Enter your choice with colored package
2           choice = input(f"{bg(23)}{fg(18)}Enter your choice (1-4):{attr(0)}")
```

- Packages
- Console-text
- How to navigate

Welcome to this mutliple choice quiz game!!! 🎉
Choose an option:
1) Movie Quiz 🎬
2) Cartoon Quiz 😺
3) View High-Score 🏆
4) Exit Game ❌

Enter your choice (1-4):

Continue Main Menu

- Chooses
- Inputs
- Play_again

```python
def play_again():
    # If "y" will play again or if "n" will return to main menu
    while True:
        # ask user if want to play again
        choice = input("Want to play again? (Y/N): ")
        if choice.lower() == "y":
            # Return true to indicate if the user wants to play again
            return True
        elif choice.lower() == "n":
            # Return true to indicate that the user want to exit
            return False
        else:
            print("Invalid Input. Please choose y or n ")
```

```python
if choice == "1":
    # Name Input after you hit option 1 print in colour with colored
    name = input(f"{fg(3)}Enter your name: {attr(0)}")
    print("You will be asked 25 questions!! Best of luck!!!")
    # After name input start_quiz is called and fetches movie quiz files
    play_again = start_quiz(name, "questions.txt", "answers.txt", "movie")
    # Uses play_again function if player doesnt want to play prints messages
    if not play_again:
        print(f"{fg(4)}Thank you for playing the game! Hope to see you back soon!! {attr(0)}")
    continue
# Option 2 Cartoon quiz
elif choice == "2":
    # Name input for cartoon quiz
    name = input(f"{bg(102)}{fg(18)}Enter your name!: {attr(0)}")
    print("You will be asked 25 questions!! Best of luck!!!")
    # After name input start_quiz is called and fetches cartoon quiz files
    play_again = start_quiz(name, "questions2.txt", "answers2.txt", "cartoon")
    # Uses play_again function if player doesnt want to play prints messages
    if not play_again:
        print(f"{fg(4)}Thank you for playing the game! Hope to see you back soon!! {attr(0)}")
    continue
# Option 3 View Leaderboard
elif choice == "3":
    print(f"{bg(3)}{fg(0)} High-Scores! {attr(0)}")
    movie_scores = view_highscore("movie")
    cartoon_scores = view_highscore("cartoon")
    if movie_scores:
        print(f"{fg(23)} Movie Quiz High-Scores!!! {attr(0)}")
        for i, (name, score) in enumerate(movie_scores):
            print(f"{i+1}. {name} - {score}\n")
    else:
        print("No Movie High-Scores just yet be the first!!!!")

    if cartoon_scores:
        print(f"{fg(15)} Cartoon Quiz High-Scores!!! {attr(0)}")
        for i, (name, score) in enumerate(cartoon_scores):
            print(f"{i+1}. {name} - {score}\n")
    else:
        print("No Cartoon High-Scores yet!!!!")
elif choice == "4":
    print("Thank you for playing hope to see you soon!!! 👍")
    break
else:
    print("invalid choice, please only enter 1 or 2.")
```

Colouring of text

```
3) View High-Score 🏆
4) Exit Game ❌

Enter your choice (1-4):1
Enter your name: brandon
You will be asked 25 questions!! Best of luck!!!
Welcome brandon to the Quiz! Good Luck!!!!!!
Question 1: Which film duo's band is called Wyld Stallyns?
1 Wyatt and Billy
2 Bill and Ted
3 Will Smith and Carlton Banks
4 Lenny and Squiggy
Enter your answer (1-4): ▯
```

```python
def print_question(i, question, choices):
    # print choices and questions
        print(Fore.YELLOW + f"Question {i+1}: {question}" + Style.RESET_ALL)
        for j, choice in enumerate(choices):
            print(Fore.LIGHTBLUE_EX + f"{j+1} {choice}" + Style.RESET_ALL)
```

Check answers with colour

1. Emoji
2. colorama

```
Question 1: Which film duo's band is called Wyld Stallyns?
1 Wyatt and Billy
2 Bill and Ted
3 Will Smith and Carlton Banks
4 Lenny and Squiggy
Enter your answer (1-4): 1
OH NO Incorrect!!!! Correct answer is: Bill and Ted
OH NO Incorrect!!!! Correct answer is: Bill and Ted
Question 2: Who played the role of Arnie's parnter Gib in True Lies?
1 Tom Hanks
2 Tom Arnold
3 Sidney Poitier
4 Denzel Washington
Enter your answer (1-4): 2
Whoop Whoop Correct!!! 👍

😃
```

```python
def check_answer(choices, answer, correct_answer):
    # Answers is correct or incorrect it will check
    if choices[int(answer)-1] == correct_answer:
        print(Fore.YELLOW + "Whoop Whoop Correct!!! 👍\n" + Style.RESET_ALL)
        print(emoji.emojize(":grinning_face_with_big_eyes:\n"))
        return 1
    else:
        print(f"OH NO Incorrect!!!! Correct answer is: {correct_answer}")

        return 0
```

End:

1. Score
2. Play
3. Highscore view

```
3 Steven Spielberg
4 Martin Scorsese
Enter your answer (1-4): 1
OH NO Incorrect!!!! Correct answer is: Clint Eastwood
Question 25: Who voices Joy in Pixar's Inside Out?
1 Ellen DeGeneres
2 Kathryn Hahn
3 Tina Fey
4 Amy Poehler
Enter your answer (1-4): 1
OH NO Incorrect!!!! Correct answer is: Amy Poehler
Your score is 7/25.
Want to play again? (Y/N):
```

```python
def view_highscore(quiz_type):
    # Try block
    try:
        # highscores.txt opens and reads content
        with open("highscores.txt", "r") as f:
            # Each line plit by colon and any leading whitespace is removed
            highscores = [line.strip().split(":") for line in f.readlines()]
    # except file not found and will execute the file
    except FileNotFoundError:
        highscores = []


    quiz_scores = {}
    # see if any High score in list
    if highscores:
        # for Loop, through every line in the highscore list
        for line in highscores:
            # If line has 3 items and the third mataches quiz type
            if len(line) == 3 and line[2] == quiz_type:
                # Name and Score from the line and quiz_score, extract to dictionary
                name, score, qtype = line
                quiz_scores[name] = int(score)


    if quiz_scores:
        # Sorts quiz_score and returns it as a list of tuples
        sorted_scores = sorted(quiz_scores.items(), key=lambda x: x[1], reverse=True)
        return sorted_scores
    # Returns and empty list if no scores
    return []
```