

~\Desktop\projects power bi\top 10 projects\cricket\cricket.py

```
1 import random
2
3 def play_cricket():
4     user_score = 0
5     user_wickets = 0
6
7     for over in range(1, 6): # 5 overs per inning
8         print(f"Over {over} - User's Turn")
9         for ball in range(1, 7):
10            user_choice = input(f"Ball {ball}: Enter 'hit' to hit the ball: ").strip().lower()
11            ai_bowler_actions = {"out": 0, "dot": 0, "1": 1, "2": 2, "4": 4, "6": 6}
12            ai_bowler_action = random.choice(list(ai_bowler_actions.keys()))
13
14            if user_choice == "hit":
15                if ai_bowler_action == "out":
16                    print("You're out!")
17                    user_wickets += 1
18                else:
19                    runs = ai_bowler_actions[ai_bowler_action]
20                    user_score += runs
21                    print(f"You scored {runs} runs!")
22            else:
23                print("You missed the ball.")
24
25            print(f"User's Score after over {over}: {user_score}/{user_wickets}")
26
27        print("AI's Turn")
28        ai_score = 0
29        ai_wickets = 0
30
31        for over in range(1, 6):
32            for ball in range(1, 7):
33                ai_bowler_actions = {"dot": 0, "1": 1, "2": 2, "4": 4, "6": 6}
34                ai_bowler_action = random.choice(list(ai_bowler_actions.keys()))
35                runs = ai_bowler_actions[ai_bowler_action]
36                ai_score += runs
37
38            print(f"AI's Score after 5 overs: {ai_score}/{ai_wickets}")
39
40        print("Match Over")
41        if user_score > ai_score:
42            print("You win!")
43        elif user_score < ai_score:
44            print("AI wins!")
45        else:
46            print("It's a tie!")
47
48 if __name__ == "__main__":
49     print("Welcome to the Text-Based Cricket Game")
50     play_cricket()
51
```