Question 4 (Black Jack)
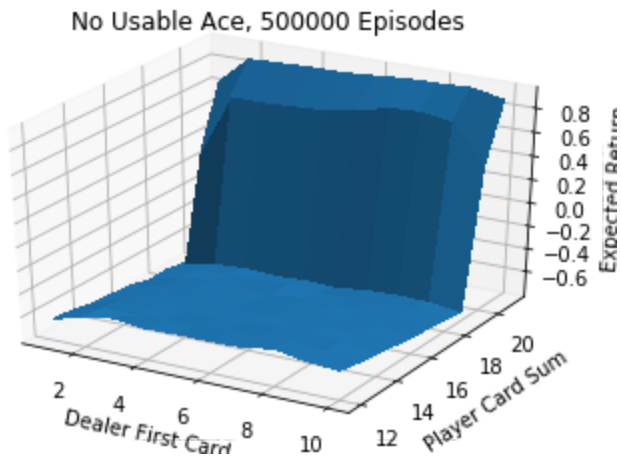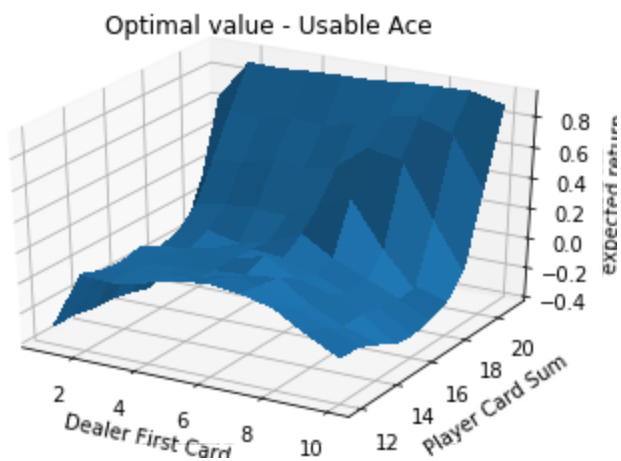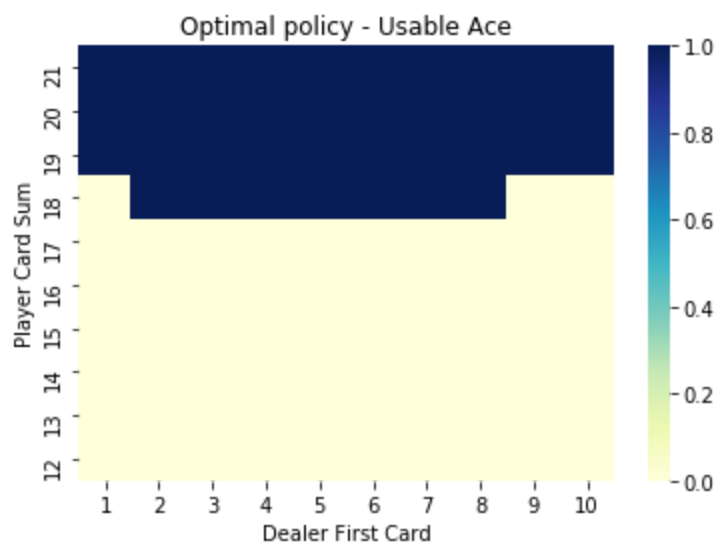**Figure 1**

Usable Ace, 10000 Episodes

Usable Ace, 500000 Episodes

No Usable Ace, 10000 Episodes

No Usable Ace, 500000 Episodes

Figure 2

Optimal policy - Usable Ace

Optimal value - Usable Ace

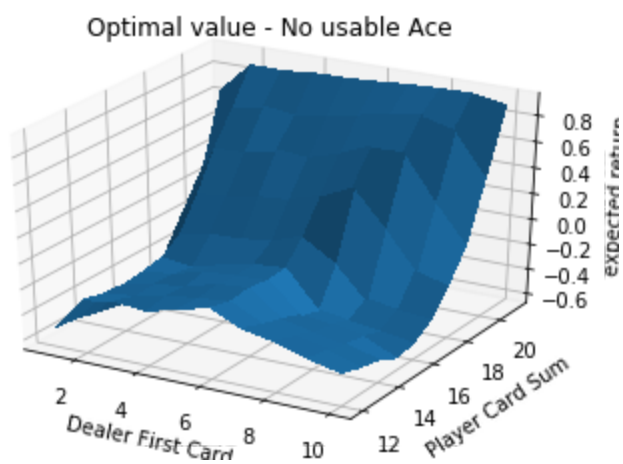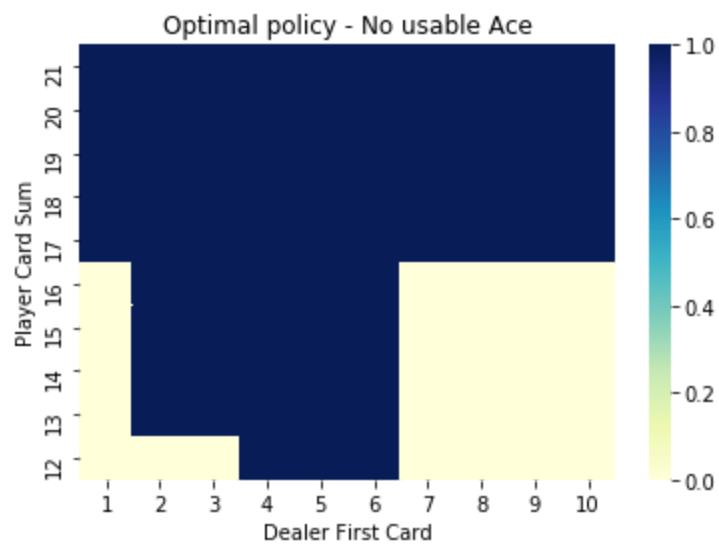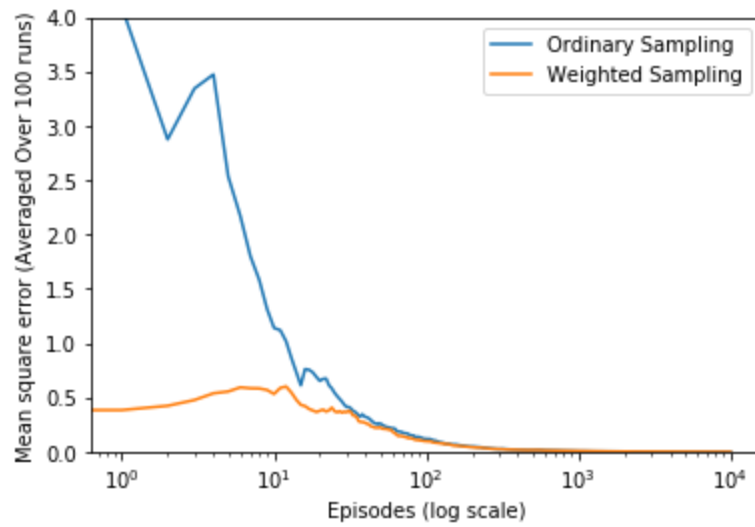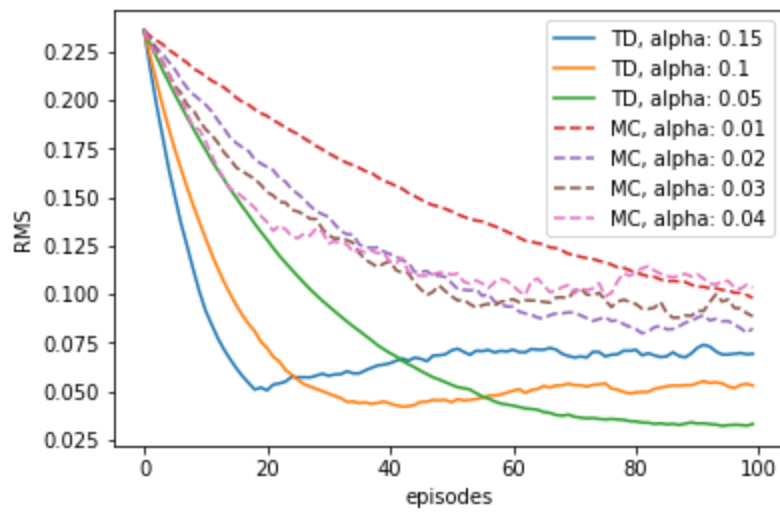## Optimal policy - No usable Ace

Optimal value - No usable Ace
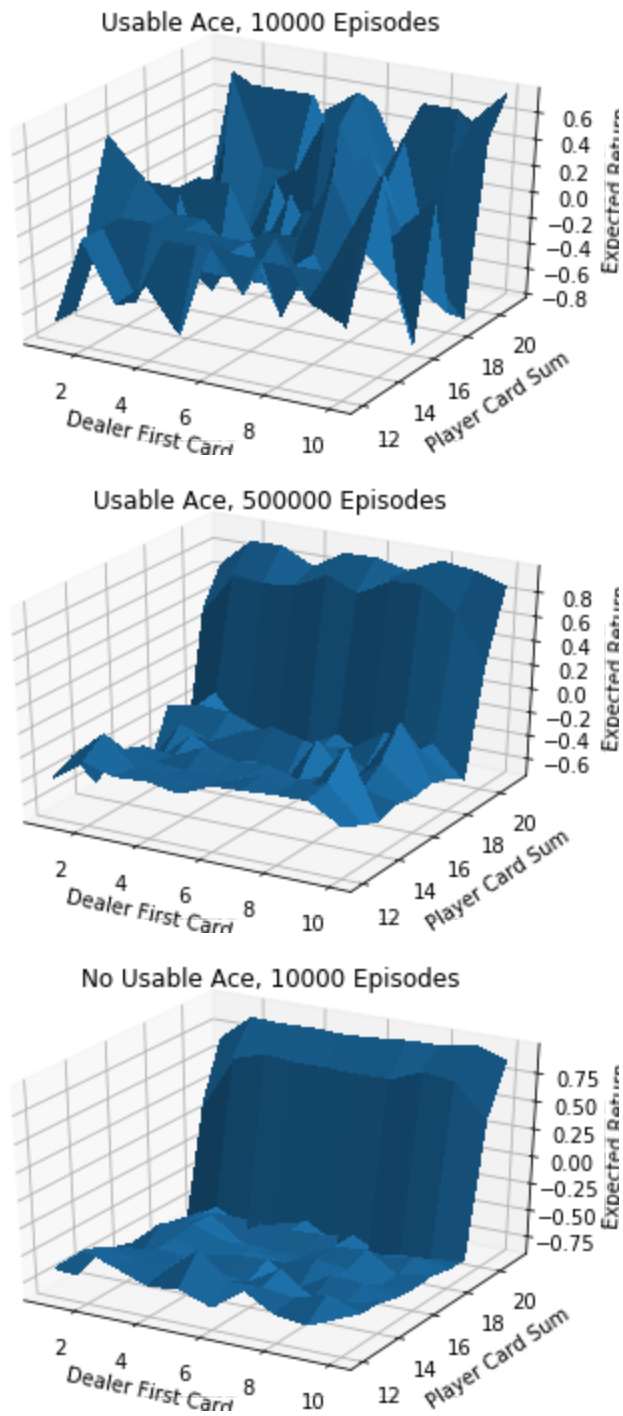
Figure 3

Question 6 (TD vs MC)

Question 7 (sarsa vs q-learning)