Welcome to an interactive program that allows a user to guess a number.

--- main menu ---
Press 1 to play a game
Press 2 to change the max number
Press 3 to quit
Please enter option number:
1
You enter: 1

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
9
You enter: 9 and convert to ASCII is 9
Too high...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
8
You enter: 8 and convert to ASCII is 8
You won the game!

--- main menu ---
Press 1 to play a game
Press 2 to change the max number
Press 3 to quit
Please enter option number:
2
You enter: 2

--- [option 2] change the max number ---
The maximum number you can set is: 10.

Please enter the max number you want: 8
You reset the upper bound of gussing to: 8
current max change to 8

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--- main menu ---
Press 1 to play a game
Press 2 to change the max number
Press 3 to quit
Please enter option number:
1
You enter: 1

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
6
You enter: 6 and convert to ASCII is 6
Too high...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
4
You enter: 4 and convert to ASCII is 4
Too high...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
3
You enter: 3 and convert to ASCII is 3
Too high...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
2
You enter: 2 and convert to ASCII is 2
You won the game!

--- main menu ---
Press 1 to play a game
Press 2 to change the max number
Press 3 to quit
Please enter option number:
2
You enter: 2

--- [option 2] change the max number ---
The maximum number you can set is: 10.

Please enter the max number you want: 3
You reset the upper bound of gussing to: 3
```

```
--- main menu ---
Press 1 to play a game
Press 2 to change the max number
Press 3 to quit
Please enter option number:
1
You enter: 1

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
7
You enter: 7 and convert to ASCII is 7
Too high...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
1
You enter: 1 and convert to ASCII is 1
Too low...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
2
You enter: 2 and convert to ASCII is 2
Too low...

--- [option 1] play a game ---
Enter a number to guess, 'q'to quit the game:
3
You enter: 3 and convert to ASCII is 3
You won the game!

--- main menu ---
Press 1 to play a game
Press 2 to change the max number
Press 3 to quit
Please enter option number:
3
You enter: 3
```

```
--- [option 3] quit ---
Thank you for playing.
The correct guessing is: 3
Game Ended.
Display result ...
0: 9
1: 8
2: 6
3: 4
4: 3
5: 2
6: 7
7: 1
8: 2
9: 3
Current max is: 8

Current max is: 8


pan@Pans-MacBook-Prolocal project2 % []
```