2020-2 Python Programming HW2

Due: Oct 14 (Wed.) 23:50 (late: 20% penalty, after 24 hours: 0)

File to submit: hw2\_YourStudentID.py

Where to submit: HISNET > Assignments > HW2

Subject: Role-playing mission game

1. Print out the original story of your game.

2. Let the player choose a character among at least 3 given characters. (use a list variable for characters)

a. Put the order number before the character name. The player are supposed to type the number to choose a character.

b. if the input is wrong or out of the range, print out an error message and ask the player to choose again until he/she types the right number. (use a while statement)

c. when the input is correct, print out the player’s choice.

3. Print out the message to begin the game.

4. The game is composed of 4 events. Repeat the following tasks for each event. (use a for statement)

a. print out the current event name and what it is. (use a list variable for events)

b. show the options for the event to choose. At least 2 options are given. (use a list of lists variable for options. Ex. [['Hi', 'Bye'], ['yes', 'no']] )

b-1. Put the order number before the option name. The player are supposed to type the number to choose an option.

b-2. if the input is wrong or out of the range, print out an error message and ask the player to choose again until he/she types the right number. (use a while statement)

c. calculate the score for the chosen option of each character. Different characters earn different scores for an option. (use a if statement)

d. print out the current character name, the current event name, the choose option, and the current score.

e. if the score is less than the expected score to complete mission at each event, print out a warning message.

5. when all the events end, evaluate the score and print out the result – if the character has completed the mission or not. (Hold the game screen until the player confirms the result and hit the enter key.)