SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN BATCH NO - 16

YAHTZEE

May 4,2021

PROBLEM STATEMENT

 Yahtzee is a dice game based on Poker. The objective of the game is to roll certain combinations of numbers with five dice. At each turn you throw dice trying to get a good combination of numbers. Different combinations give different scores.

UNDERSTANDING

- One of player will be chosen as start player. He will roll all the 5 dices at the same time. After rolling he can go for re-rolling or scoring.
- For scoring there are 2 sections:
 - Upper section
 - 2 Lower section

Score Board

Yahtzee. Name

Tarrezees Name_							
UPPER SECTION	TO SCORE	GAME #1	GAME #2	GAME #3	GAME #4	GAME #5	GAME #6
Aces • = 1	Count and Add Only Aces						
Twos • = 2	Count and Add Only Twos						
Threes = 3	Count and Add Only Threes						
Fours = 4	Count and Add Only Fours						
Fives ** = 5	Count and Add Only Fives						
Sixes := 6	Count and Add Only Sixes						
TOTAL SCORE	\rightarrow						
BONUS If total score is 63 or over	SCORE 35						
TOTAL Of Upper Section	\rightarrow						
LOWER SECTION							
3 of a kind	Add Total Of All Dice						
4 of a kind	Add Total Of All Dice						
Full House	SCORE 25						
Sm. Straight Sequence of 4	SCORE 30						
Lg. Straight Sequence of 5	SCORE 40						
YAHTZEE 5 of a kind	SCORE 50						
Chance	Score Total Of All 5 Dice						
YAHTZEE BONUS	√ FOR EACH BONUS						
	SCORE 100 PER √						

https://images.sampletemplates.com/wp-content/uploads/2015/09/Yahtzee-Score-Pads-Printable.

APPROACH

- Task 1 : Displaying the instructions of the Game.
- Task 2 : Rolling the Dices.
- Task 3 : Selecting the dices to re-roll.
- Task 4 : Scoring.

TECHNICAL STACKS

- VIM Editor
- Git lab
- LaTeX
- Ubuntu
- Tex maker
- Python 3.9

LEARNINGS

- Working on LaTeX Environment.
- Working on VIM Editor
- Working on Dual OS
- Working on Git Lab

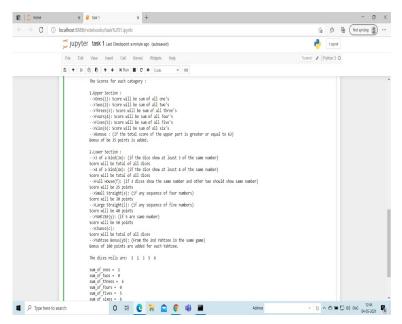
PROGRESS

- Created a public repository in GitLab.
- Displaying instructions to the user.
- Created a function to roll the 5 dices.
- Created functions used for calculating score in upper section

TASK-1

For further references see https://gitlab.com/unitedcoders/yahtzee_python/-/tree/master

OUTPUT



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THANK YOU