**MiniProject Report on Tecquizz – Game of Quiz**

The project has been implemented using structures, pointers, dynamic memory allocation . The structure has been implemented to obtain and display player information. Pointer variables used for computing and evaluating the score for each round, dynamic memory allocation for allocating the memory to the score variable.

Header files defined are:

#include<stdio.h> //To use console i/p o/p functions

#include<string.h> // To use string based operations

#include<stdlib.h> // To use system functions and DMA

#include<ctype.h> // To use inbuilt functions for variables of char type

5 functions were defined in total:

int score\_pos\_r1(int s1) //To increment score by 10 for round 1

int score\_neg\_r1(int s2); //To increment score by 2 for round 1

int score\_pos\_r2(int s3); //To increment score by 5 for round 2

int score\_neg\_r2(int s4); //To increment score by 1 for round 2

int final\_score(int m1, int m2, int m3); //To compute and evaluate overall score

Dynamic Memory Allocation:

Score variable - >

int\* score;

score = (int\*) malloc (sizeof(int));

free(score);

While loop and Switch – Case used to ask the questions and obtain user input. The expression passed to the while loop is the no. of questions that are needed to be asked in the round.

while(r1--)

{

//C – statements to implement switch-case

}

switch (index)

case (int) :

//C-Statements to display the question and obtain user input

default :

//

break;

Problems Faced and how it was overcome:

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| ID | Issue Faced | Solution |
| 1. | Value of score variable not updating after each round | Used a new variable to update the value as it was getting overridden instead of updation. |
| 2. | Problem with the function call for evaluating the inputs | Made corrections to function declaration |
| 3. | Incorrect looping of the while loop | Used indexing variable after switch case to correct the issue |
| 4. | Questions not displayed sequentially, few qs got skipped without taking user input | Made use of the getchar() before the control is transferred to the next question |