

## Week-1 - Task = Quiz Generators

1. Name of the Task :-

=> Quiz Generator.

2. Technology Used :-

=> Java Programming language.

3. User Interface Used :-

=> Command line User Interface

4. Platform required :-

=> Windows NT Platform or Linux Distributions

5. Description :-

- Build a command-line quiz generator application that generates quizzes on various topics.
- Users can create quizzes, add questions with multiple-choice options, specify correct answers and take the quizzes to test their knowledge.

- Allow users to take quizzes and display results with scores and feedback.

6. Data structure used in the Task :-

⇒ In this Task we implement Singly Linear Linked List.

7. Diagram of data structure Used in the Task :-

⇒

first	100	→	200	→	300	→	
Number	1		2		3		
Question	1 <sup>st</sup> Question		2 <sup>nd</sup> Question		3 <sup>rd</sup> Question		
option 1	A		A		A		
option 2	B		B		B		
option 3	C		C		C		
option 4	D		D		D		
Correct option	Correct Answer = C		Correct Answer = B		Correct Answer = D		
next	200		300		NULL		

## 8. The Flow of the Programme and Task

⇒ Consider the below flow -

In this task we create a function name as `InsertMCQ()` & `TakeQuiz()` function this function are same as `InsertFirst()` function and `Display()` function which are using in Singly linear linked list.

### I] `InsertMCQ()`

- Name of the Function :- `InsertMCQ` function.
- Input Parameter :- Question with multiple choice option & Correct Answers.
- Return value :- Void (Function is not going to return)
- Description and it's Used :- `InsertMCQ` function Used for to store the Question with multiple-choice option & Correct answer is in the linked list format.

## II] TakeQuiz Function:-

Roll No.	
DATE	/ /

- Name of the function :- TakeQuiz()
- Input Parameter :- In which we accept the string to compare the User answer with correct answer of Quiz Question.
- Return value :- Void
- Description and it's Used:-  
Main Purpose of this function is used to Display Data on screen.  
Here we also compare string which accept from user & correct answer of question. which result correct option of Quiz Our quiz question.

At the end we will display score and feedback to the User.