



End-Term Assignment

Weekly Lab Question Programs

Submitted By:-

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```
#include<stdio.h>
```

```
#include <stdlib.h>
```

```
#include <time.h>
```

```
void askQuestion(int questionNumber, const char *question, const char *options[]) {  
    printf("Question %d: %s\n", questionNumber, question);  
    for (int i = 0; i < 4; ++i) {  
        printf("%c %s\n", 'A' + i, options[i]);  
    }  
    printf("Your answer (A/B/C/D): ");  
}
```

```
int main()  
{  
    srand(time(NULL));
```

```
const char *questions[] = {  
    "Who is the highest-ranking officer in the Indian Army?",  
    "Which division of the Indian Army specializes in mountain warfare?",  
    "Which rank is higher: Brigadier or Major General?",  
    "Which of these is not a part of the Indian Army's Western Command?",  
    "The 'Rezang La' battle in 1962 involved soldiers from which regiment?",
```

"The 'Victory Peak' is located in the Siachen Glacier and was captured by troops from which division?"

```
};
```

```
const char *options[][4] = {
```

```
    {"a) General", "b) Colonel", "c) Major", "d) Lieuenant"},
```

```
    {"a) Parachute Regiment", "b) Mechanized Infantry", "c) Gorkha Rifles", "d) Ladakh Scouts"},
```

```
    {"a) Brigadier", "b) Major General", "c) Both are equal", "d) Dependss on the Service tenture"},
```

```
    {"a) 14 Corps", "Berlinb) 11 Corps", "c) 9 Corps", "d) 16 Corps"},
```

```
    {"a) Jat Regiment", "b) Grenadiers Regiment", "c) Kumaon Regiment", "d) Punjab Regiment"},
```

```
    {"a) 14 Corps", "b) 15 Corps", "c) 13 Corps", "c) 16 Corps"}
```

```
};
```

```
const char answers[] = {'A', 'C', 'B', 'D', 'A', 'C'};
```

```
time_t startTime, currentTime;
```

```
int score = 0;
```

```
printf("Welcome to the Quiz! You have 60 seconds to answer all the questions.\n");
```

```
printf("Made By :- (Pranshu Chauhan) (AY-1) (37) (Btech CSE)\n");
```

```
time(&startTime);
```

```
for (int i = 0; i < 6; ++i) {
```

```
    askQuestion(i + 1, questions[i], options[i]);
```

```
char  userAnswer;

scanf(" %c", &userAnswer);
```

```
if (userAnswer == answers[i]) {
    printf("Correct!\n");
    score++;
} else {
    printf("Incorrect!\n");
}
```

```
time(&currentTime);
if (difftime(currentTime, startTime) >= 60) {
    printf("Time's up! Quiz over.\n");
    break;
}
}
```

```
printf("Your final score: %d out of 6\n", score);
printf("Thank You For Playing The Quiz!\n");
```

```
return 0;

}
```