Carmen Municipal College

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**Bible Quiz Game**

CC 103 – Computer Programming 2

Midterm Project

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**l. Introduction**

The Bible Quiz Game is a program to test your knowledge of Bible characters. It asks five multiple-choice questions about famous people from the Bible. For every correct answer, you get 1 point. At the end of the game, your total score is displayed with feedback about your performance.

**II. Function Description**

1. displayMenu()

Purpose: Displays the main menu with two options: Start Quiz or Exit.

Inputs: None.

Outputs: Displays the menu.

1. playQuiz()

Purpose: Runs the quiz by asking five questions. It calculates your score based on correct answers.

Inputs: None.

Outputs: Displays questions and calculates your total score.

1. checkAnswer(int userAnswer, int correctAnswer)

Purpose: Checks if the user’s answer is correct.

Inputs:

* userAnswer: The answer selected by the user.
* correctAnswer: The correct answer for the question.

Outputs:

* Returns 1 if the answer is correct.
* Returns 0 if the answer is incorrect and displays the correct answer.

**lll**. **Code Implementation**

#include <stdio.h>

Void displayMenu();

Void playQuiz();

Int checkAnswer(int userAnswer, int correctAnswer);

Int main() {

Int choice;

While (1) {

displayMenu();

printf(“Enter your choice: “);

scanf(“%d”, &choice);

switch (choice) {

case 1:

playQuiz();

break;

case 2:

printf(“Exiting the game. Goodbye and God bless you!\n”);

return 0; // Exit the program

default:

printf(“Invalid choice. Please select a valid option.\n”);

}

}

Return 0;

}

Void displayMenu() {

Printf(“\n=== Bible Quiz Game Menu ===\n”);

Printf(“1. Start Quiz\n”);

Printf(“2. Exit\n”);

}

Void playQuiz() {

Int score = 0, userAnswer;

Printf(“\nStarting the Bible Quiz...\n”);

// Question 1

Printf(“\n1. Who built the ark to survive the great flood?\n”);

Printf(“1) Abraham\n2) Moses\n3) Noah\n4) David\n”);

Printf(“Your answer: “);

Scanf(“%d”, &userAnswer);

Score += checkAnswer(userAnswer, 3);

// Question 2

Printf(“\n2. Who was thrown into the lions’ den for praying to God?\n”);

Printf(“1) Jonah\n2) Daniel\n3) Elijah\n4) Joseph\n”);

Printf(“Your answer: “);

Scanf(“%d”, &userAnswer);

Score += checkAnswer(userAnswer, 2);

// Question 3

Printf(“\n3. Who betrayed Jesus for 30 pieces of silver?\n”);

Printf(“1) Judas Iscariot\n2) Peter\n3) John\n4) Thomas\n”);

Printf(“Your answer: “);

Scanf(“%d”, &userAnswer);

Score += checkAnswer(userAnswer, 1);

// Question 4

Printf(“\n4. Who parted the Red Sea?\n”);

Printf(“1) Joshua\n2) Moses\n3) Aaron\n4) David\n”);

Printf(“Your answer: “);

Scanf(“%d”, &userAnswer);

Score += checkAnswer(userAnswer, 2);

// Question 5

Printf(“\n5. Who was swallowed by a great fish?\n”);

Printf(“1) Jonah\n2) Paul\n3) Job\n4) Noah\n”);

Printf(“Your answer: “);

Scanf(“%d”, &userAnswer);

Score += checkAnswer(userAnswer, 1);

// Final Score

Printf(“\nQuiz Complete! Your final score is: %d out of 5\n”, score);

If (score == 5) {

Printf(“Excellent! You know your Bible very well!\n”);

} else if (score >= 3) {

Printf(“Good job! You scored %d out of 5. Keep studying the Word!\n”, score);

} else {

Printf(“You scored %d out of 5. Keep learning more about the Bible!\n”, score);

}

}

Int checkAnswer(int userAnswer, int correctAnswer) {

If (userAnswer == correctAnswer) {

Printf(“Correct!\n”);

Return 1;

} else {

Printf(“Wrong! The correct answer was %d.\n”, correctAnswer);

Return 0;

}

}

**IV. How It Works**

1. Menu:

The program starts by showing the menu using the displayMenu() function.

The user selects:

* 1 to start the quiz.
* 2 to exit the game.

1. Quiz:

If the user starts the quiz, playQuiz() is called.

Five multiple-choice questions are displayed one by one.

The program takes the user’s input for each question and checks the answer using checkAnswer().

1. Answer Checking:

If the answer is correct, the user gets 1 point.

If the answer is incorrect, the program shows the correct answer.

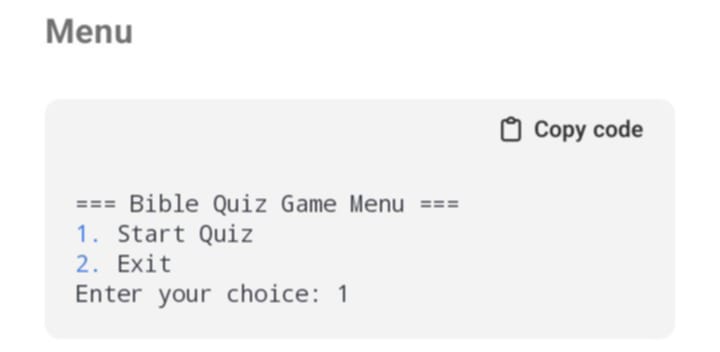
1. Final Score:

After all questions are answered, the program calculates the total score.

Feedback is displayed based on the score.

1. Repeat or Exit:

After the quiz, the menu is displayed again, so the user can play another round or exit the program.

**V. Sample Output **

