

DHA Suffa University



Department of Computer Science

CS 1001L – Programming Fundamentals Lab

Fall 2020

Project Report

Project Title:

Test Your knowledge

Project Members:

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Submitted to:

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Title of the Project

Test Your Knowledge

Project Description: It will have different categories like Math, English, IQ, GK, History etc. User will select the desired category and then the category will have the relevant choice-based questions. User will answer them and in the end points will be calculated and equivalent message will be shown.

Pseudocode OR Flowchart of the Project:

Menu:

Print s to start the game

Print r to see the rules

Print v to view the score

Input answer

If answer == 'S'

Then

 Call procedure quizgame()

Else if answer == 'V'

Then

 Goto score

Else

 Exit(0);

End if

Score:

Print score

Goto menu

Procedure quizgame

Print Select the subject from the following

Print For Math enter M

Print For English enter E

Print For Physics enter P

Print For Chemistry enter C

Print For IQ enter I

Print For general knowledge enter G

Print to go back to menu press B

While choice!= 'M' || choice!= 'E' || choice!= 'P' || choice!= 'C' || choice!= 'I' ||
choice!= 'G'

Input choice

If choice== 'M'

Then

Call procedure Maths()

Else If choice== 'E'

Then

Call procedure Eng()

Else If choice== 'P'

Then

Call procedure Phy()

Else If choice== 'C'

Then

Call procedure Chem()

Else If choice== 'I'

Then

Call procedure IQ()

Else If choice== 'G'

Then

Call procedure GK()

Else

Print invalid selection

Print to go to menu press B

End if

End procedure

Procedure Eng()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer=='Y'

Then

Call procedure eng()

Else if answer=='B'

Then

```
        Call procedure quizgame()  
    Else  
        Print score  
    End if
```

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

l++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure Maths()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

```
        Point++
        I++
Else
    Print wrong answer
    I++
End if

Press Y to continue Press B to change subject Press S to get score
Input answer
If answer=='Y'
    Then
        Call procedure Maths()
    Else if answer=='B'
        Then
            Call procedure quizgame()
        Else
            Print score
        End if
    End if
```

Case 6

```
Print question
Input answer
If answer==answer
    Then
        Print correct
        Point++
```

l++

Else

Print wrong answer

l++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

```
End if
End case
End for
Print score
Call procedure quizgame()
End procedure
Procedure Phy()
M=i
For(i=m;i<=10;i++)
Case of i:
Case 1
Print question
Input answer
If answer==answer
Then
    Print correct
    Point++
    I++
Else
    Print wrong answer
    I++
End if
Case 2
Print question
Input answer
If answer==answer
```

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer=='Y'

Then

Call procedure Phy()

Else if answer=='B'

Then

Call procedure quizgame()

```
Else
    Print score
End if
```

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure Chem()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

```
        Point++
        I++
Else
    Print wrong answer
    I++
End if

Press Y to continue Press B to change subject Press S to get score
Input answer
If answer=='Y'
    Then
        Call procedure Chem()
    Else if answer=='B'
        Then
            Call procedure quizgame()
        Else
            Print score
        End if
    End if
```

Case 6

```
Print question
Input answer
If answer==answer
    Then
        Print correct
        Point++
```

l++

Else

Print wrong answer

l++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if
End case
End for
Print score
Call procedure quizgame()
End procedure

Procedure GK()
M=i
For(i=m;i<=10;i++)
Case of i:
Case 1
Print question
Input answer
If answer==answer
Then
 Print correct
 Point++
 I++
Else
 Print wrong answer
 I++
End if
Case 2
Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer=='Y'

Then

Call procedure GK()

Else if answer=='B'

```
    Then
        Call procedure quizgame()
    Else
        Print score
    End if
```

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure IQ()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer=='Y'

Then

Call procedure IQ()

Else if answer=='B'

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

l++

Else

Print wrong answer

l++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Screenshots of the Output:

```
Hey
Welcome
To The
Game

*****
!!! Test Your KNOWLODEGE !!!
*****
-> S to start the game
-> Q to quit Game
-> V to View Total Score
```

```
***** INSTRUCTION *****
This quiz consist of choice-based questions A,B,C and D
Press A,B,C or D to answer.
After every answer press any key to continue.
You will answer the first 5 questions then you will have the choice to continue or end.
In the end your points will be calculated and displayed.

*!*!*!* Good Luck And Enjoy :) *!*!*!*
Enter any key to continue.....
```

Select the subject from the following

For Math enter M

For English enter E

For Physics enter P

For Chemistry enter C

For IQ enter I

For general knowledge enter GTo go back to Menu press B

For general knowledge enter GTo go back to Menu press B

1.Which number should come next in the pattern?

37,34,31,28

A. 25 B.20

C.26 D.24

The End

Project By

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